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SEED & FEED CO.
MEDFORD, OREGON

"Everything for Your Garden but the Rain"
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1947
ANNUAL
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GIANT
IMPERIAL
OR
COLUMN
STOCKS



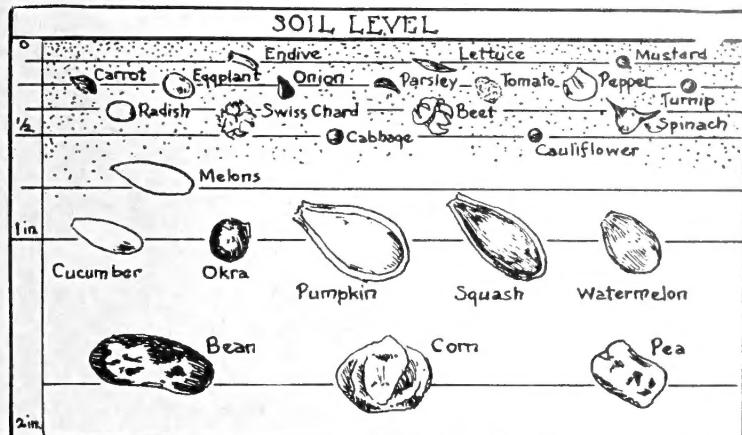


TUBEROUS ROOTED BEGONIAS

ENJOY THE WONDROUS BEAUTY OF BEGONIAS!
EASY TO GROW . . . STARTLING COLORS

SELECT YOUR BULBS FROM OUR WIDE ASSORTMENT OF VARIETIES AND COLORS. SEE PAGE 5.

Helpful Hints on Growing Vegetables



SPRAY AND DUST FOR PESTS

Insects and diseases may infest the vegetable garden but may never become a serious problem if one watches for evidence of damage and takes prompt action. Sprays and dusts are available in convenient packages to combat every garden pest. When spraying cover all parts of the plant and both sides of the leaves. Do a thorough job promptly and avoid a serious infestation.

Success in gardening starts by following certain rules. Whether these be noted from the pages of books or gathered from practical experience makes little difference. The process is the same. Good seed, soil, water, fertilizer, and work makes for success.

If we understand that almost every seed we sow has stored within its shell the ability to sprout and grow into a useful plant we can easily think of seeds as plants ready to set out which will make the picture of the finished garden clearer in our mind's eye thus avoiding many of the early mistakes of planting.

Seeds are started by sowing in the soil of the garden. There germination takes place readily when conditions required for growth are met. Fortunately good garden soil, well prepared meets these requirements: soil moisture, usually present after winter rains or supplied by irrigation; soil temperature, heat from the sun and the main reason why certain tender seeds should be delayed in sowing (until the ground is warm), and air and moisture drainage supplied by the hard work of soil

preparation which we have been recommending. As far as fertilizer is concerned young seedlings don't need extra feeding until they have used up the stored food of the cotyledons. It is better to delay feeding until growth is well started and then apply gradually. This is in addition to the humus (manure, peat, compost, etc.) and phosphate and other fertilizers put into the soil at the time of preparation. They are deeper down and can be reached by the plants as they grow.

By thinking of the seeds as plants we will sow them far enough apart to reduce drastic thinning. We wouldn't set plants out very close because before long we would not have much of a garden, competition between the plants would reduce the flowers, fruit and shape of the individual plants to an undesired minimum. In both vegetable and flower gardens we strive for perfection in either flowers, fruits or foliage—poor quality is seldom tolerated.

Actually every seed we sow will not germinate. Not from poor quality, but more often because other factors more difficult to control affect the seed. Among these are water, in excess, which may either wash the seeds out altogether or cover them more than they should be to sprout. (See planting chart). Crows and rodents may eat some. Soil fungi and very wet soils before germination may cause many to rot. So we usually sow seeds thicker than needed and thin the row later on to a spacing that allows the desired growth.

The planting chart below contains suggestions to enable proper planning of the garden. However, most varieties used in the small home garden are best sown in smaller rows for which a packet each will usually suffice. Replanting to prolong the season of short maturing crops is a splendid idea and makes maximum use of the prepared soil.

QUANTITY OF SEED AND SPACING FOR HOME AND MARKET GARDENS

VEGETABLE	Seed Required for 50 ft. of row	Seed Required to sow an acre	Distance between rows inches	Distance apart of rows in row planting inches	Depth inches	VEGETABLE	Seed Required for 50 ft. of row	Seed Required to sow an acre	Distance between rows inches	Distance apart of rows in row planting inches	Depth inches
Artichoke, Globe	1/4 oz.	6 to 8 oz.	40 to 48	18 to 24	1	Kohl Rabi	1/4 oz.	4 to 5 lbs.	14 to 24	4 to 6	1/2
Asparagus	1/2 oz.	4 lbs.	14 to 24	3 to 6	1	Leek	1/4 oz.	4 lbs.	14 to 36	2 to 3	3/4
Beans, Bush	1/2 lb.	50 to 60 lbs.	24 to 30	2 to 3	1 1/2 to 2	Lettuce	1/4 oz.	3 lbs.	12 to 18	4 to 12	1/4
Beans, Lima	1/2 lb.	30 to 50 lbs.	24 to 36	3 to 6	1 1/2 to 2	Melon, Musk	1/2 oz.	3 to 4 lbs.	70 to 80	36 to 60	3/4
Beans, Pole	1/2 lb.	30 to 35 lbs.	36 to 48	6 to 8	1 1/2 to 2	Melon, Water	1/2 oz.	3 to 4 lbs.	72 to 96	72 to 96	3/4
Beet	1/2 oz.	8 to 14 lbs.	14 to 24	3 to 4	1/2 to 1	Mustard	1/4 oz.	4 lbs.	14 to 24	6 to 9	1/2
Beet, Mangold & Sugar	1/2 oz.	6 to 10 lbs.	18 to 24	6 to 9	1 1/2 to 1	Okra	1 oz.	8 to 10 lbs.	24 to 40	18 to 24	1
Swiss Chard	1/2 oz.	6 to 10 lbs.	18 to 24	10 to 12	1	Onion	1/4 oz.	3 to 4 lbs.	18 to 24	3 to 4	3/4
Broccoli	1/4 oz.	4 oz.	20 to 36	16 to 22	1 1/2 to 1	Onion (for sets)	60 to 85 lbs.	12 to 14	Not thin'd	3/4	
Brussels Sprouts	1/4 oz.	4 oz.	20 to 36	16 to 22	1 1/2 to 3/4	Parsnip	1/2 oz.	3 to 4 lbs.	18 to 24	3 to 4	1/2
Cabbage	1/4 oz.	4 oz.	18 to 36	14 to 24	1/2	Parsley	1/4 oz.	3 to 4 lbs.	12 to 20	6 to 8	1/2
Cardoon	1/2 oz.	5 oz.	20 to 32	20 to 30	1/2 to 1	Peas	3/4 lb.	90 to 180 lbs.	24 to 36	1 to 2	1 to 2
Carrot	1/4 oz.	3 to 4 lbs.	16 to 24	1 to 3	1/2	Pepper	1/4 oz.	1 to 2 lbs.	20 to 30	18 to 29	1/2
Cauliflower	1/4 oz.	4 oz.	24 to 30	20 to 24	1/2	Potatoes	8 lbs.	800-1000	24 to 36	18 to 24	6
Celery	1/8 oz.	4 oz.	24 to 30	4 to 6	1/4	Pumpkin	2 oz.	3 to 4 lbs.	96 to 110	60 to 84	3/4
Chicory	1/2 oz.	4 to 5 lbs.	20 to 36	2 to 3	1 1/2 to 1	Radish	1/2 oz.	10 to 12 lbs.	12 to 18	1 to 2	1/2
Collard	1/4 oz.	5 oz.	24 to 30	14 to 18	1/2	Rhubarb	1/2 oz.	3 lbs.	24 to 42	20 to 24	3/4
Corn, Pop	3 oz.	6 to 8 lbs.	34 to 40	6 to 8	1	Rutabaga	1/2 oz.	2 to 4 lbs.	18 to 24	4 to 7	1/2
Corn, Sweet	4 oz.	10 to 12 lbs.	30 to 42	9 to 12	1	Sage	1/2 oz.	4 to 5 lbs.	20 to 24	6 to 10	1/2
Corn Salad	2 oz.	10 to 12 lbs.	14 to 18	3 to 4	3/4	Salsify	3/4 oz.	7 to 8 lbs.	18 to 24	2 to 3	3/4
Cress	1 oz.	10 lbs.	12 to 18	2 to 4	1/2	Sorrel	1/2 oz.	4 to 5 lbs.	18 to 22	2 to 3	1/2
Cucumber	1/2 oz.	3 to 4 lbs.	48 to 60	12 to 36	1/2 to 3/4	Spinach	3/4 oz.	10 to 20 lbs.	14 to 18	3 to 5	3/4
Dandelion	1/4 oz.	5 to 6 lbs.	18 to 22	6 to 10	1/2	Squash, Bush	1 oz.	4 to 6 lbs.	42 to 48	42 to 48	1
Dill	1/2 oz.	5 lbs.	20 to 36	4 to 6	1/2	Squash, Vining	1 oz.	4 lbs.	72 to 90	60 to 90	1
Egg Plant	1/4 oz.	5 to 6 oz.	24 to 36	18 to 24	1/2	Sunflower	1 oz.	7 to 8 lbs.	48 to 70	10 to 12	1
Endive	1/2 oz.	4 to 5 lbs.	18 to 24	8 to 12	1/2	Tomato	2 oz.	40 to 60	36 to 40	1/2	
Fennel	1/2 oz.	3 to 4 lbs.	24 to 32	5 to 8	3/4	Tobacco	2 oz.	36 to 48	24 to 36	1/2	
Kale	1/2 oz.	4 to 5 lbs.	24 to 32	14 to 22	1/2	Turnip	1/2 oz.	2 to 3 lbs.	12 to 20	2 to 4	1/2

WHAT AND HOW TO PLANT

In selecting vegetables to plant include the ones your family should eat as well as the kinds they like. A well balanced diet is most important and should include green vegetables, yellow vegetables, leafy vegetables, root vegetables, and tomatoes.

Leafy or green vegetables for crisp salads. These are rich in vitamins and minerals.

Root vegetables, beets, carrots, turnips and onions, all rich in health-giving vitamins.

Vine vegetables—peas, beans, cucumbers, on the fence or trellis. The heavy-fruited types, like vine squash, and pumpkin, should be grown on the ground as always, among the corn to save space.

Flowers to compliment the vegetables. Morale does not stop with the stomach. Flowers for the house, fresh from the garden, are essential. Plant them, as shown, on the plan to make the view from the house attractive and colorful.

SOW SEEDS AT RIGHT TIME

Sow seeds at the proper season and avoid waste. We have the highest quality seeds available.

Work down the top soil with a rake until it is level, fine and in perfect physical condition, before attempting to plant seed.

Seed should be sown thinly in shallow rills, made with a stick as shown in the sketch. To make the rows straight, follow a line of string stretched between stakes place at either end of the row. The depth of this rill depends on the variety sown. Check with the depth of planting chart on page 21 before sowing seed.

Seed may be sown directly from the packet, or by rubbing a pinch of seed between the thumb and the first two fingers. This latter method gives a thinner distribution of the seed. Small seeds should not be thicker than 10 to the inch. Sow one row at a time and after each row, cover the seed lightly, touching the loose soil with a rake. Place the board used for walking between the rows on top of the sown seed and walk across it to firm the soil for better germination.

Treatment of the seed with "Cuprocid" will eliminate a great deal of damping off, and rotting of the seed after sowing, especially if sown during the wet weather.

If the soil is moist, but not wet, at the time of sowing, watering will not be necessary before the seedlings are up. If it dries out, however, sprinkle carefully so as not to wash out the small seedlings.

USE PLENTY OF GOOD FERTILIZER

Fertilizers are very important. The food value of garden vegetables for human consumption depends greatly on their mineral content, derived from the soil. The vitamin content depends on the vigor of growth and the abundance of sunlight. Therefore the fertilizing of the soil is important to insure vigorous growth and healthy mineral and vitamin-rich vegetables. A good practice is to spade commercial fertilizer, balanced to supply the necessary proportions of nitrogen, phosphorus and potash. Later in the season, applications of fertilizers in small doses, as side dressings, keep vegetables in active growth. Ask us for special fertilizer formulas for vegetable gardens.

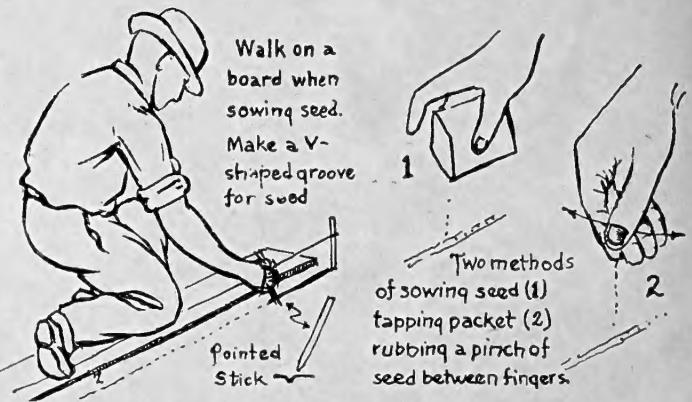
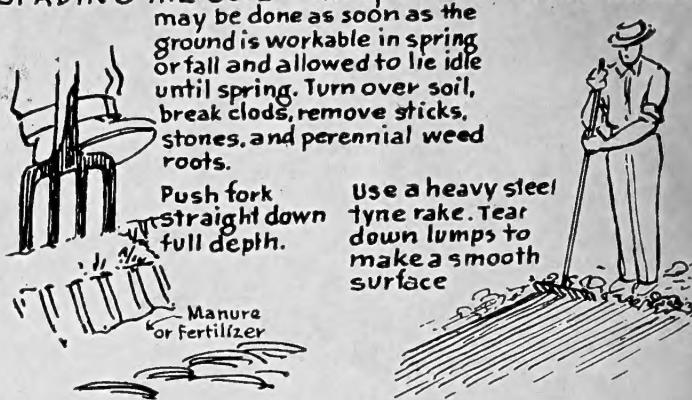
WATERING IS IMPORTANT

Watering will be necessary during the growing season. It should be done early enough in the day to evaporate drops of water from the leaves before nightfall. Water generously, soaking the soil deeply each time, rather than by quick "sprinkles" with the hose. In this way, the roots will grow deep, feed better and be protected from drought, in case watering is missed during a hot dry spell. Once every week or ten days should be ample for most soils. No rules can be formulated to determine the necessity of watering. Observation of the soil, and testing with a shovel, will best determine when to water.

CULTIVATE OFTEN

To conserve moisture and promote growth of plants, give a complete cultivation of the surface soil the day following each rain or watering. Be careful not to go deep in the soil, else the roots will be injured. Most plants benefit by frequent and regular cultivation. Beans and peas, however, need only a light cultivation until they begin to set flowers, when further cultivation may cause the buds to drop and reduce the crop.

SPADING THE SOIL • RAKING SOIL



Plants are safer and easier to use for tomato (sketch), pepper, cauliflower, eggplant, celery and cabbage. Select vigorous plants properly hardened to resist cool weather. Protect with "Hotkaps" when weather is unsettled.



SPRAY AND DUST FOR PESTS

Insects and diseases may infest the vegetable garden but may never become a serious problem if one watches for evidence of damage and takes prompt action. Sprays and dusts are available in convenient packages to combat every garden pest. When spraying cover all parts of the plant and both sides of the leaves. Do a thorough job promptly and avoid a serious infestation.

SPACE SAVING IN THE VEGETABLE GARDEN

Simple expedients that save space in the garden and make better vegetables are always helpful to the home gardener. The average plan will call for the easier kinds: beets, carrots, swiss chard, leaf lettuce, onions and corn, all of which can be grown in small gardens. A few others, requiring a larger space, can be grown by training on poles, trellises, or fences, thus utilizing a minimum of soil space.

Other quick maturing kinds can be grown between rows of the slower growing, and longer maturing kinds, or even between the plants in the row. The ground then does double duty, and it is therefore quite essential to fertilize the soil in order to support these extra crops and to watch the watering more carefully for the demands of the garden will be greater.

Try a few of these methods—save the extra effort of a larger garden by intensively working a smaller area.

PARCEL POST RATES

Zones	1 and 2	Zone 3	Zone 4	Zone 5	Zone 6
Shipping	not over	150 to	300 to	600 to	1000 to
Weight	Miles	Miles	Miles	Miles	Miles
1 Pound.....	\$0.09	\$0.10	\$0.11	\$0.12	\$0.13
2 Pounds.....	.11	.12	.15	.18	.20
3 Pounds.....	.12	.14	.18	.23	.27
4 Pounds.....	.13	.16	.22	.28	.34
5 Pounds.....	.14	.18	.25	.34	.41
6 Pounds.....	.15	.20	.29	.39	.48
7 Pounds.....	.16	.22	.32	.44	.56
8 Pounds.....	.17	.24	.36	.50	.63
9 Pounds.....	.18	.26	.39	.56	.70
10 Pounds.....	.19	.28	.43	.61	.77
11 Pounds.....	.20	.30	.46	.66	.84
12 Pounds.....	.22	.32	.50	.72	.92
13 Pounds.....	.23	.34	.54	.77	.99
14 Pounds.....	.24	.36	.58	.82	1.06
15 Pounds.....	.25	.38	.61	.89	1.13
16 Pounds.....	.26	.40	.65	.94	1.21
17 Pounds.....	.27	.42	.68	.99	1.28
18 Pounds.....	.28	.44	.72	1.05	1.35
19 Pounds.....	.29	.46	.75	1.10	1.42
20 Pounds.....	.30	.48	.79	1.15	1.49
21 Pounds.....	.31	.50	.82	1.21	1.57
22 Pounds.....	.33	.53	.87	1.27	1.64
23 Pounds.....	.34	.55	.90	1.32	1.71
24 Pounds.....	.35	.57	.94	1.37	1.78
25 Pounds.....	.36	.59	.97	1.43	1.85

Old Trapper
WEED NOX

-KILLS WEEDS WITHOUT KILLING GRASS

* A concentrated Hormone-type weed killer... contains 70% 2-4-D

You can solve your weed problems now with *Old Trapper* WEED NOX, an effective, low cost chemical weed killer. It eradicates noxious weeds on farm lands, golf courses, lawns, gardens, ranges, pastures and woodlands.

Old Trapper WEED NOX has unique and selective action... It kills weeds and their deepest roots... By destroying weeds that encroach on cultivated crops and cause great loss, WEED NOX helps you get full value from your soil.

Old Trapper WEED NOX is easy to use and most satisfactory in results.



WEED-NOX DILUTION TABLE

FOR LAWN USE

Water	Weed-Nox
6 qts.	* $\frac{1}{4}$ oz.
3 gals.	$\frac{1}{2}$ oz.
6 gals.	1 oz.
25 gals.	4 ozs.
100 gals.	1 lb.

*Level tablespoon

FOR FIELD USE

Water	Weed-Nox
1 gal.	$\frac{1}{4}$ oz.
3 gals.	$\frac{3}{4}$ -1 oz.
6 gals.	1 $\frac{1}{2}$ -2 ozs.
25 gals.	6 $\frac{1}{2}$ -8 ozs.
100 gals.	1 $\frac{1}{2}$ -2 lbs.

POSTPAID PRICES

1 $\frac{1}{2}$ oz. makes 9 gals. \$1.10
16 oz. makes 100 gals. \$4.25

ASK FOR LITERATURE ON WEED-NOX
USES AND APPLICATION

JUST MIX WITH WATER AND SPRAY

Plant carrots, turnips, beets, onions, lettuce, spinach and celery in double rows one foot apart instead of single rows.

Sow radishes, leaf lettuce and bunching onions in beds which are later planted to other crops requiring more space.

Train pole beans, tall peas, limas, or cucumbers on heavy twine stretched between poles and wires or train on the fence.

Tomatoes are best on a stout trellis. Tie with strips of soft cloth. Pinch or prune some of side branches but not the flower clusters which grow at the opposite side of stem.

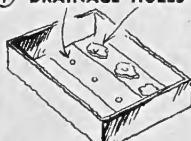
Get an extra cabbage crop of quick maturing crops by planting with lettuce slow kinds.

Radishes, onions, or lettuce between peppers or eggplant rows.

HOW TO PLANT SEEDLINGS IN FLATS

All delicate plants such as Petunias, Stocks, Snapdragons, many vegetables like Tomatoes, Peppers, Cabbage, Celery, etc., and all perennials are best grown this way from seed. It saves time, and the resulting seedlings are huskier, ready to plant out sooner and often flower earlier than those from seed sown outdoors.

① DRAINAGE HOLES



Place pieces of broken flower pots to keep drainage holes open.

④ SOW seed evenly either over the surface (broadcast) or in rows which can be marked with labels. Soak flat by standing in water until surface is wet.

⑤ LOOSEN

plants in flat with a putty knife or similar tool

⑥ LIFT

little seedlings with a special tool made by notching the end of a garden label, as shown.

⑦ TRANSPLANT

seedlings carefully in new flat of soil in hole made with a small dibble or pencil. Make holes 2 inches apart each way. Press soil firmly about the seedlings. Sprinkle with a fine spray of water.

When seedlings are growing vigorously transplant to the open ground in beds previously prepared by spading, working in fertilizer and raking smooth.

CUSTOMERS PLEASE TAKE NOTICE

Our Terms are Strictly Cash with Order. We prefer not to send seeds C. O. D. unless order is accompanied by at least one-third of the amount of order.

How to Remit. Send postal money order, express money order, or check. Stamps will do if your order is for a small amount.

Errors. We exercise every care in handling your orders, but should an error occur, kindly write us at once, and we will adjust it promptly.

All prices in this catalog are subject to change without notice.

Reports—Good or Bad. Will you help us to attain greater success by writing and telling us how our Seeds and Supplies reach you, how they grow and **how you like them?** We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

NOTES ABOUT PARCEL POST

Poisons can not be sent by mail, but may be shipped by express.

Weight limit in all zones 70 pounds.

Non-Warranty. Most of the failures with seeds are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success. We therefore give no warranty as to description, quality or productiveness of any of the seeds we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods under these conditions, they are to be at once returned.

WE DO NOT GUARANTEE REPLACEMENT OF GOODS SENT BY MAIL. An additional remittance of 5 cents will insure any mail package.

NUMBER OF TREES OR PLANTS ON AN ACRE

1 by 2 feet.....	21,780	6 by 8 feet.....	907
1 by 3 feet.....	14,520	6 by 6 feet.....	1,210
1 by 4 feet.....	10,890	8 by 8 feet.....	680
1½ by 2 feet.....	14,520	10 by 10 feet.....	430
1½ by 3 feet.....	9,680	12 by 12 feet.....	802
2 by 3 feet.....	7,260	15 by 15 feet.....	198
2 by 4 feet.....	5,445	16 by 16 feet.....	170
3 by 4 feet.....	3,630	18 by 18 feet.....	185
3 by 5 feet.....	2,904	20 by 20 feet.....	109
3 by 6 feet.....	2,420	25 by 25 feet.....	70
4 by 4 feet.....	2,722	30 by 30 feet.....	48
4 by 6 feet.....	1,815	40 by 40 feet.....	27

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants to the acre.



**MORE TOMATOES
and more
SEEDLESS tomatoes
WITH
FRUITONE**

REG. U. S. PAT. OFF.

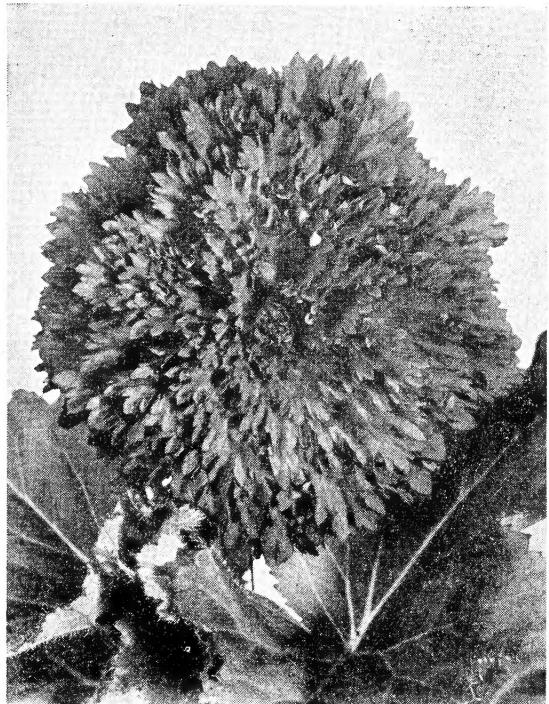
This plant hormone spray will help develop a better set and a bigger crop of tomatoes. If the spray hits the blossoms *after* blooming and *before* pollination, the tomatoes will be seedless. Simple and easy to use, Fruitone also helps grow big berries on berry-bearing shrubs and stops pre-harvest drop on fruit trees.

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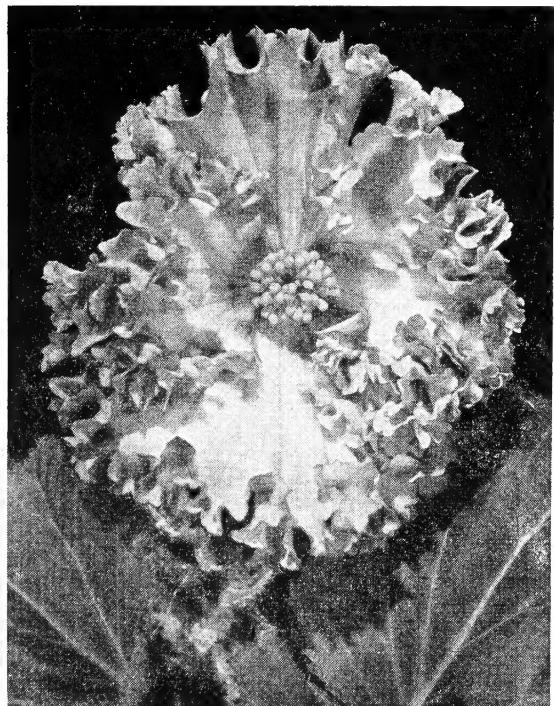
TUBEROUS BEGONIAS

Great care is exercised in the selection of our Begonia tubers. Only the strongest tubers are chosen for you . . . tubers that are sure to bloom profusely and produce for you the largest, more robust plants and blossoms. Begonia tubers are available in February through May. Plant early indoors in pots or flats using leaf mold. When frost danger is over, move to the open garden. Protect from the hot sun and water regularly and often. Peat moss makes an ideal humus medium if you are unable to obtain leaf-mold. Order early. The demand is heavy. Delay might mean disappointment.



CARNATION FLOWERED

CARNATION TYPE BEGONIA. Include this variety in your collection. Flowers are laciniated and very much resemble a mammoth Carnation. Available in scarlet, rose, pink, salmon, yellow and white.



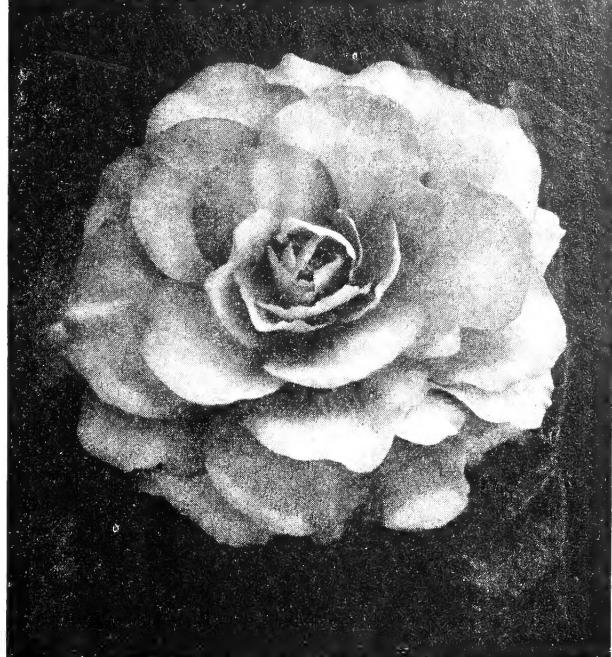
FRILLED TUBEROUS BEGONIA

HANGING BASKET

TYPE. Plant several tubers in an 8- or 10 - inch hanging basket or pot. We suggest that you plant tubers in a mixture consisting of one-third each of well rotted manure, leaf mold or peat mull and sandy loam. Available in scarlet, rose and white.

DOUBLE CAMELLIA

BEGONIA. Large full double flowers of exquisite form. We illustrate four colors of this type on the inside front cover. For sheer



CAMELLIA FLOWERED TUBEROUS BEGONIA

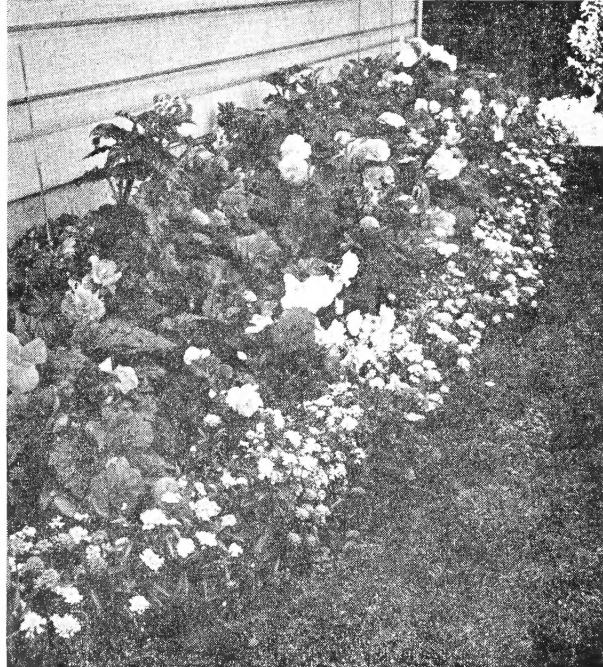
beauty of form and color, Double Camellia Begonias have no equal. They are breath-taking. Available in white, yellow, salmon, apricot, orange-scarlet, rose-red, salmon-rose and rose-pink. Be sure to indicate your color preference when ordering.

SINGLE FRILLED BE-

GONIA. Large single flowers with the petals profusely ruffled and frilled. A very beautiful form. Available in separate colors of orange, salmon, scarlet, white. Single Begonias have an appeal to those who cherish and prefer single flowers. Colors are bright, good form, very fine foliage.

FASCINATION

FRILLED. This beautiful flower rests in the center of the illustration on the cover. Its beauty will thrill you. Bright yellow stamens surrounded with a creamy-white field and bright pink ruffles make this a most outstanding blossom . . . one you will enjoy immeasurably. Tubers are in short supply so don't delay . . . order at once. Extra large tubers 85c.



BEGONIA PLANTING

Except as noted, prices are identical on all types: Extra large tubers 60c each; \$6.50 per dozen postpaid
On orders less than \$2.00 add 25c packing charge

FLOWERING BULBS

Ranunculus

A DISTINCT ADDITION TO YOUR GARDEN

many variegated blooms of strain we offer you is greatly improved and comes true to color because the fields are carefully rogued while the flowers are in bloom. Ranunculus are easy to grow if you follow a few cultural instructions supplied with every order. Bulbs ready in December. Order early . . . do not wait. We can supply in straight colors or in mixture. Color are red, yellow, golden yellow, pink, orange and white. Postpaid prices are as follows:

Mixed Colors (Mammoth bulbs) 9c each; \$0.90 dozen
Straight Colors (Mammoth bulbs) 12c each; \$1.20 dozen

ANEMONE. Hardy in all parts of the U. S. In cold sections, spring planting is advised . . . while in the central and southern States, fall planting is advisable. Splendid for growing indoors for winter blossoms. A very colorful flower, fine for rockeries, among shrubs or in the border. We supply only in mixed colors. 90c dozen; \$6.50 per hundred, postpaid.

CANNAS. Excellent for creating garden background or for borders and bedding. Their tropical appearance adds distinction to your garden. Roots available in February through April.

King Humbert. 4 ft. Scarlet flowers, bronze leaves. A favorite for many years.

Venus. 4-5 ft. Pink blossoms with green foliage. The best pink with strong, rich green foliage. You'll like Venus.

Richard Wallace. 4-5 ft. Yellow flowers with green foliage. Blooms rich yellow and large. Foliage rich green.

The President. 4-5 ft. A rich glowing scarlet on strong stalks; good foliage.

Prices of above: Dormant 2-3 eye roots: 35c each; 3 for \$1.00; \$3.00 dozen postpaid.

TIGRIDIA. (Mexican Flame Flower.) A new and interesting flower. The gorgeous blossoms bring into the garden something of splendor of the tropics. Three silken petals, richly colored in various shades scarlet, rose, yellow, orange or white surround a curiously spotted cup of contrasting maroon or blood red. Any good garden soil will grow them. Plant bulbs 4 to 6 in. deep after frost danger is over and soil becomes warm. Bulbs available in March thru April. \$1.50 Dozen, ppd.

Ranunculus deserve the popularity enjoyed by them. The wide range of beautiful color shades recommend them to every flower lover. Easy to grow in any well drained soil. Color are bright with gorgeous color combinations.

Bulbs ready in December. Order early . . . do not wait. We can supply in straight colors or in mixture. Color are red, yellow, golden yellow, pink, orange and white. Postpaid prices are as follows:

Mixed Colors (Mammoth bulbs) 9c each; \$0.90 dozen
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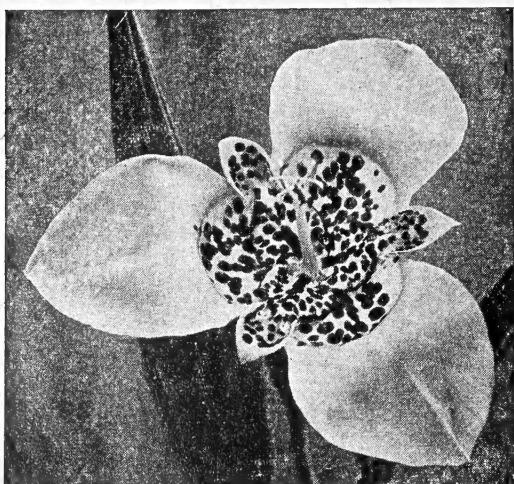
Prices of above: Dormant 2-3 eye roots: 35c each; 3 for \$1.00; \$3.00 dozen postpaid.



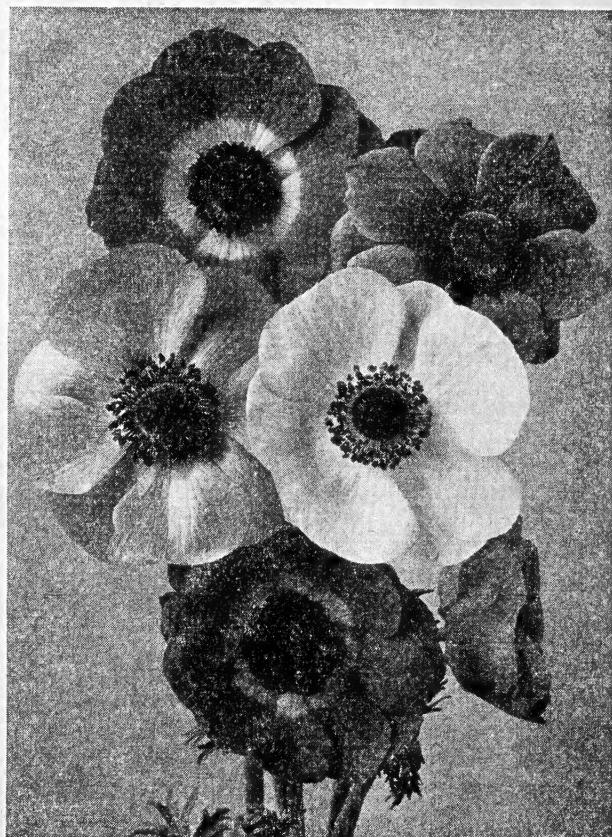
RANUNCULUS



CANNA



TIGRIDIA



ANEMONE DE CAEN

POPULAR GLADIOLUS

OUR BULBS ARE
FUMIGATED TO
DESTROY THRIP.
BEST QUALITY!

BLUE BEAUTY. Light blue, shading darker toward edges. Giant flowers of exquisite form. 45 first awards. Unexcelled. \$1.75 doz., postpaid.

ROSA VAN LIMA. Best in its color class. A deep, rich color that combines well in bouquets. Light rose with darker shadings. \$1.75 doz., postpaid.

BERTY SNOW. An outstanding lavender of good form, large florets; many open at one time, tall, erect stem. \$1.50 doz., postpaid.

ALGONQUIN. 59 first awards; leading scarlet, top ranking variety in its color class in every listing. \$1.75 doz., postpaid.

REGENT. A glowing intense scarlet. Vividly bright and the envy of all who do not possess Regent. By all means select a few for your garden. \$1.75 doz., postpaid.

MARGUERITE. Immense watermelon pink. Tall stems, large florets, many open at one time. Hardy and stalwart grower. Probably the finest gladioli we have to offer this season. \$3.00 doz., postpaid.

RUDOLPH SERKIN. Velvety pansy blue. Imagine the color. Outstanding in form and beauty. \$1.75 doz., postpaid.

TOKEN. A very early blooming sort. Color salmon-flame. Very bright, yet not too dazzling; a pastel shade. \$1.50 doz., postpaid.

GRETA GARBO. This very delicate combination of pale pink and cream is one of the most outstanding Holland introductions. Vigorous grower, tall spikes, and fine placement. Good propagator. The best of all the pale pinks and creams. \$2.00 doz., postpaid.

BIT O' HEAVEN. 17 first awards. Tall, primulinus hybrid orange. Ranks first in its color class. \$1.75 doz., postpaid.

CHARLES DICKENS. A beautiful purple violet. Long spikes with 10 to 12 florets open at one time. Very outstanding. \$1.50 doz., postpaid.

DR. F. E. BENNETT. The popular well known fiery-red. One of the most brilliant scarlets grown. Fine large flower on long, tall stems. \$1.50 doz., postpaid.

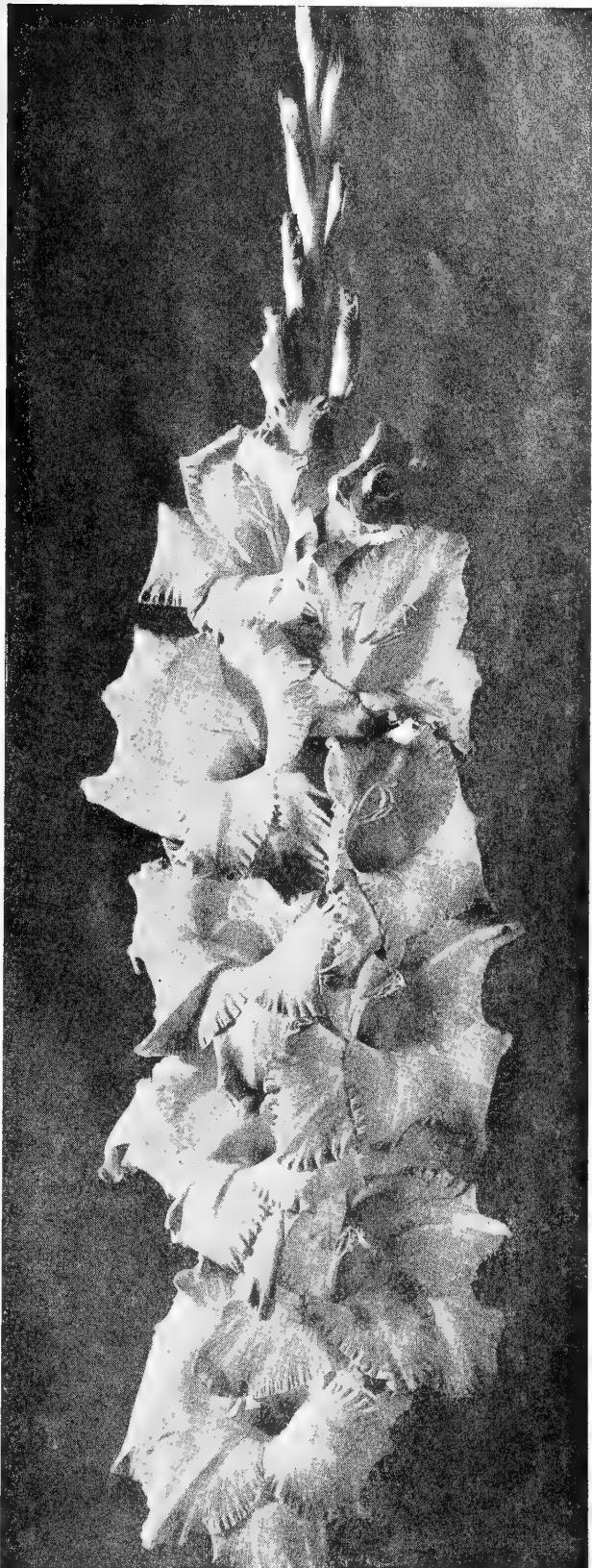
J. S. BACH. Salmon with white midrib. A wonderful exhibition variety with many florets open on tall spike. Largest of the early blooming sorts. \$1.75 doz., postpaid.

MAID OF ORLEANS. Color creamy-white with a distinctive light cream shade in the throat. The best commercial white. Fine for cutting. \$1.50 doz., postpaid.

CORONA. Creamy white shading somewhat deeper in the throat with rose picotee edge on the petals. Very distinctive and beautiful. Midseason. \$2.15 doz., postpaid.

PICARDY. Color soft apricot pink with a silvery sheen, feathering of slightly deeper color in the throat. The individual florets are large, slightly ruffled and of a heavy wax-like substance. \$2.00 doz., postpaid.

YELLOW EMPEROR. Large flowered, deep yellow. Vigorous grower. Best yellow in its class. A large bloom, not the small type. \$1.50 doz., postpaid.



TIP-TOP GLAD MIXTURE

In this mixture we give you only the choicest of varieties at a price that will permit of volume buying. We assure you an assortment of the latest sorts and finest colors. Prices, postpaid, \$1.00 doz., \$7.50 per 100.

Annual and Perennial Flower Seeds



AGERATUM

AGERATUM, Floss Flower (a)

One of the most popular Summer blooming plants grown from seed, being literally covered with flowers from early Summer until frost. Excellent for borders, edgings, rockery, or pots. The taller varieties are fine for cutting. Do well in semi-shade.

AGERATUM MIDGET BLUE. Silver Medal, All-America Selection, 1940. A very fine dwarf (2 to 3 inches high) Ageratum with delicate foliage, which is practically smothered with small true Ageratum Blue flowers. This is really the first dwarf Ageratum we have found that will come uniformly dwarf and true to color from seed. Pkt. 25c.

BLUE BALL. Compact round plants, 6 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging. Pkt. 15c.

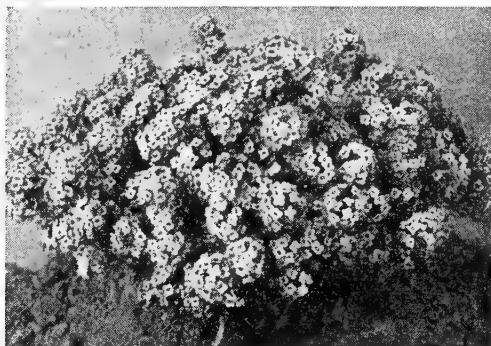
ALYSSUM, Madwort

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in Summer, or for growing in pots and boxes for Winter blooming.

CARPET OF SNOW. (ra). White flowers on plant only 3 inches tall. Rapidly becoming a favorite variety. Pkt. 10c.

SAXATILE COMPACTUM. Perennial. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in early spring. Height 12 inches. Pkt. 10c.

VIOLET QUEEN. Dwarf compact plants of small, sweetly scented flowers of a very rich deep shade of violet. Neat in habit and free flowering, Violet Queen will unquestionably be one of the leading novelties of the season. Pkt. 25c.



ALYSSUM, VIOLET QUEEN

ANCHUSA, Summer Forget-Me-Not (a)

A free-flowering class, producing its charming Forget-Me-Not-like blooms in graceful sprays from early Summer until late Fall.

BLUE BIRD. Deep blue flowers on plants 18 inches tall. Pkt. 15c.

ARCTOTIS HYBRIDS AUTUMN SHADES (a)

A gay and cheerful member of the colorful winter and spring blooming flowers. Dozens of blossoms open at a time, commencing to bloom in December or January. Many shades of red, orange, yellow, typical autumn tones. Foliage is a soft gray green with slender wavy edged leaves. A decided addition to the border garden.

Mixed. Pkt. 15c.

ANTIRRHINUM, Snapdragon (a)

Snapdragons are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinary good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

ROSALIE (Bronze Medal, All-America Selections, 1940). This exciting color is entirely new in Antirrhinum. It is a rich deep rose with an underlying tone of topaz or amber, giving it a richness which makes it stand out among all other colors. The plants are base branching and produce from six to eight huge long flowering spikes on which the florets are decidedly well arranged. This is an all-purpose Snapdragon. Pkt. 25c.

SWING TIME. New rust resistant novelty. The loveliest rose pink imaginable with a bright yellow touch and a white tube that is an addition to its beauty rather than a hindrance. Spikes are huge and evenly packed with immense blooms beautifully tapered. Pkt. 25c.

SUPER GIANTS, RUST RESISTANT

30 to 36 inches tall.

APPLE BLOSSOM. Rosy pink, white tube. Pkt. 20c.

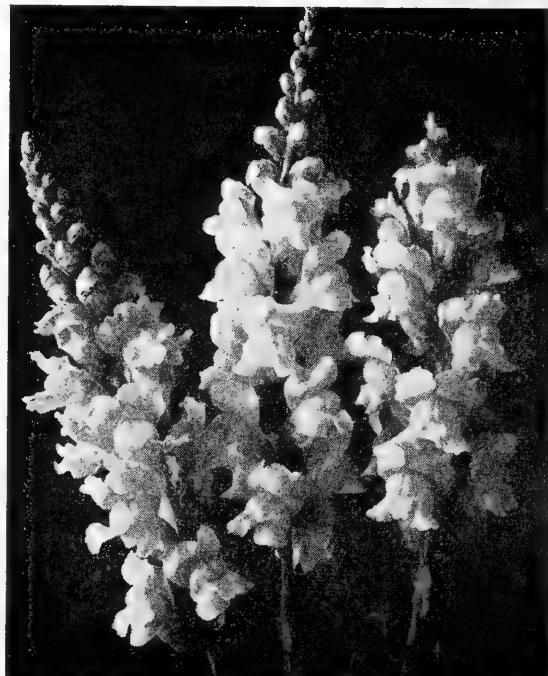
CRIMSON. Fiery crimson. Pkt. 20c.

FINEST MIXED. Pkt. 20c.

LARGE FLOWERED, HALF DWARF

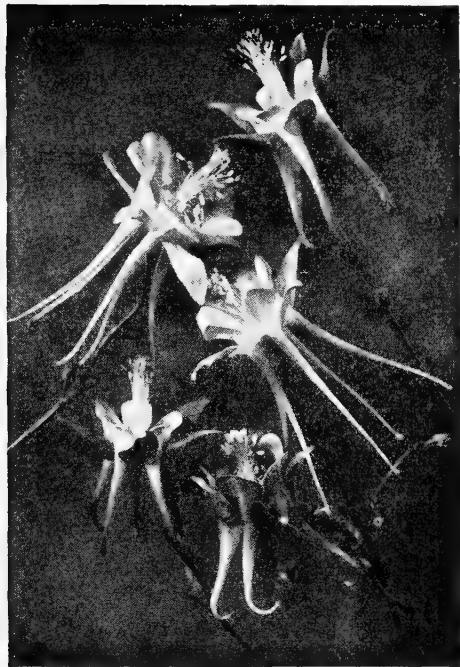
Rust Resistant

FINEST Mixed. Pkt. 15c.



SNAPDRAGONS

ANNUAL AND PERENNIAL FLOWER SEEDS



AQUILEGIA (COLUMBINE)

AQUILEGIA, Columbine (p)

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage.

LONG SPURRED BLUE SHADES, SPECIAL STRAIN. The finest strain in existence. The result of years of selecting. Huge flowers on plants from 3 to 4 feet high. This strain was bred and perfected by Waller-Franklin over a long period of years. Pkt. 35c.

MRS. SCOTT ELLIOTT'S IMPROVED STRAIN. One of the finest tall strains ever developed, long-spurred, large flowers, in a splendid mixture of colors. Pkt. 25c.

a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.



ASTER, EARLY GIANT, LIGHT BLUE

ASTER (a)

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a well pulverized soil, always kept open by continuous cultivation. Height, 1 to 3 feet.

PRINCESS ASTER, Wilt-resistant. A very attractive new cutting type of wilt-resistant aster, 2-1/2 ft. tall, branching and free flowering, early blooming, bearing quantities of 3-3 1/2 in. flowers on strong stems. Flowers have a full deep crested center, surrounded by several rows of dainty plume-like guard petals. See illustration.

Princess Anne. Peach Blossom. Pkt. 25c.

Princess Bonnie. Soft salmon-rose. Pkt. 25c.

Princess Marsha. Rich cinnabar scarlet. Pkt. 25c.

IMPROVED GIANTS OF CALIFORNIA. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list.

Finest Mixed. Pkt. 15c.

SUPER GIANT LOS ANGELES. Award of Merit, All-America Selections, 1934. The first introduction in modern Super Giant class, the flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. Long, stiff stems, bearing the large shell pink flowers smartly upright. Pkt. 15c.

ASTER, EARLY GIANT WILT-RESISTANT, LIGHT BLUE. Silver Medal, All-America Selections, 1939. Fully wilt-resistant, extremely large flowered and most attractive colors. Color is a rich light blue, a shade which blends in beautifully with either deeper or lighter tones. Pkt. 15c.

ASTER, EARLY GIANT WILT-RESISTANT, Peach Blossom. Very large and full with broad, graceful petals, daintily plumed and intertwined. Peach Blossom has particularly full-petaled flowers of an attractive shade which opens almost white and flushes light pink then lavender pink as flower matures. Plants 1 1/2 to 2 feet tall. Pkt. 15c.

IMPROVED CREGO WILT-RESISTANT. The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2 1/2 feet in height.

Crimson. Glowing deep rose-crimson. Pkt. 15c.

Purple. Showy violet purple. Pkt. 15c.

Rose. Lovely bright carmine rose. Pkt. 15c.

White. Purest white, large and fluffy. Pkt. 15c.

Crego's Finest Mixed. Pkt. 15c.

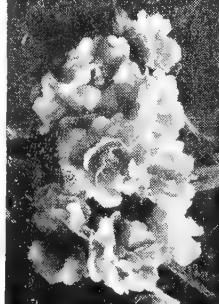
AMERICAN BRANCHING, Wilt-Resistant. Plants 2 1/2 to 3 feet tall, branching, robust; flowers large, double and fine form, blooming in early September. Our selected stocks of these are the best money can buy.

Finest Mixed. Pkt. 15c.

SINGLE ASTERS. (a) Large, daisy-like flowers in the same colors as the double China Asters, 18-24 inches high with large flowers on graceful stems. Fine for variety in the garden. Excellent for cutting. Mixed. All colors. Pkt. 15c.



ASTER, PRINCESS MARSHA



BALSAM

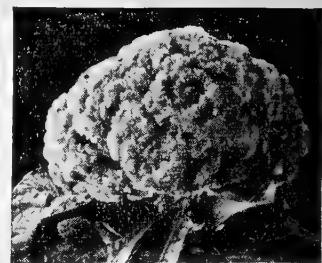
ANNUAL AND PERENNIAL FLOWER SEEDS



CALENDULA, CAMPFIRE IMPROVED



CELOSIA PLUMOSA



CELOSIA CRISTATA

BABY'S BREATH (See *Gypsophila*)

BACHELOR'S BUTTON (See *Centaurea*)

BALSAM, Lady Slipper (a)

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

CAMELLIA FLOWERED. Finest mixed. Pkt. 15c.

BEAN (a)

A rapid climber, flowering profusely; grows 10 to 15 feet high. Edible as well as ornamental.

SCARLET RUNNER. Pkt. 15c.

BLUE FERN FLOWER (See *Nierembergia*)

BRACHYCOME, Swan River Daisy (a)

Brilliant free-flowering annual blooming throughout the Summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height, 6 to 12 inches.

Mixed Colors. Pkt. 25c.

CALLIOPSIS, Tickseed (a)

Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early Spring; thin out to 6 inches apart. Cut flowers as soon as they fade, as this prolongs the blooming season until Autumn. Height, $\frac{1}{2}$ to $2\frac{1}{2}$ feet.

GOLDEN CROWN. Silver Medal, All-America Selections 1938.

An enlarged Drummondii. A rich orange-yellow or gold of pleasing fragrance. Makes a good cut flower with 12-inch wiry stems. Similar to Golden Crest.

Tall Mixed. Pkt. 15c.

CALENDULA, Pot Marigold (a)

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early Summer and continues into the Fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height.

CAMPFIRE IMPROVED. A very deep strong orange with distinct scarlet sheen on upper side of each petal. Blooms flat across top and measures 4 inches in diameter. Plants are strong growing and even in habit. Exceptionally long heavy cutting stems in generous quantity on each plant. Pkt. 15c.

ORANGE KING. Rich deep orange red, dark center, continuously grown and selected for over twenty-five years. A fine border specimen and excellent for cutting. Extremely large and most attractive. Pkt. 15c.

CELOSIA PLUMOSA

NEW SUNSHINE CALENDULA, CHRYSANTHA. Gold Medal Winner, All-America Selections 1934. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges. Flowers mounted on strong, wiry stems a foot in length; excellent for cutting. Pkt. 15c.

RADIO. Flowers hemispherical in shape with bristling quilled petals, rich glowing orange. Graceful and attractive. Pkt. 15c.

CALIFORNIA POPPY (See *Eschscholtzia*)

CAMPANULA, Canterbury Bell

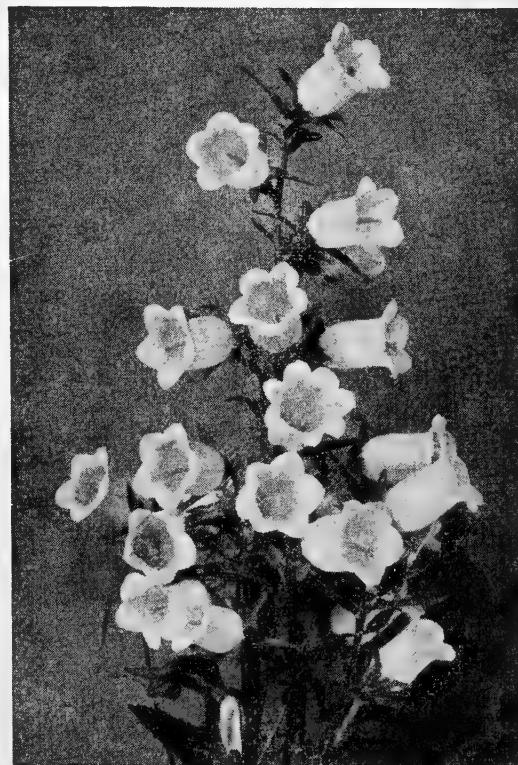
CALYCANTHENA (b) (Cup and Saucer). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

Finest Mixed. Pkt. 10c.

CANTERBURY BELL, MEDIUM. A biennial. Comes in white, blue and pink shades. Rather tall growing, beautifully formed flowers, single. Blooms second year from seed, or first year from seed sown in fall.

Finest Mixed. Pkt. 15c.

CASTOR BEAN (See *Ricinus*)



CAMPANULA, CANTERBURY BELLS

ANNUAL AND PERENNIAL FLOWER SEEDS

CELOSIA, Cockscomb (a)

Very attractive and showy, somewhat tender annual, producing massive heads in rich shades of crimson and yellow flowers. Should be started in hot beds and transplanted to rich soil after warm weather comes. Set plants a foot or more apart.

CRISTATA. Choice mixed; height, 9 to 18 inches. Pkt. 20c.

PLUMOSA (Improved Feather Type). Choice mixed; height, 2 feet. Pkt. 25c.

CENTAUREA

Particularly well adapted for border planting. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. Others have a downy growth on their leaves, making the foliage quite ornamental. All of them are of easy culture from seed.

CORNFLOWER, JUBILEE GEM. Silver Medal, All-America Selections 1937. A dwarf variety of Cornflower making a compact plant literally covered with flowers. About 12 inches in height. Easy to grow. Admirable as a border plant. A fine cut flower. It may be sown outside in the autumn for spring flowering, or in the spring for summer flowering. Pkt. 15c.

CYANUS DOUBLE (a). (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets. Height, 2 to 3 feet.

BLUE BOY. Pkt. 10c.

ROSE. Pkt. 10c.

Mixed. Pkt. 10c.

SWEET SULTAN (a). These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

Mixed. Pkt. 10c.

CARNATION, *Dianthus Caryophyllus*

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.

CHABAUD GIANT. 18 inches. This variety blooms six months after seeding and continues throughout the Summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size.

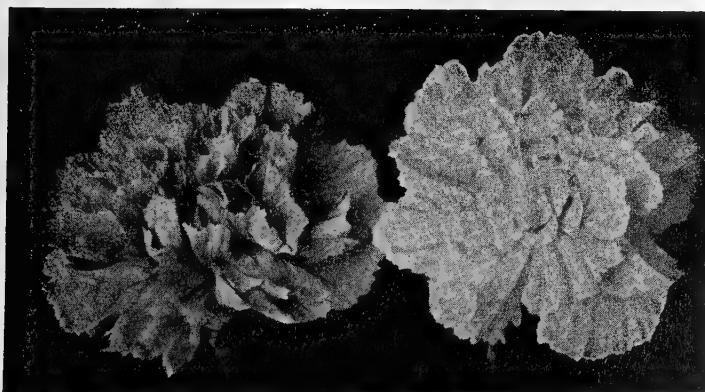
Mixed. Pkt. 25c.

CANDYTUFT (a)

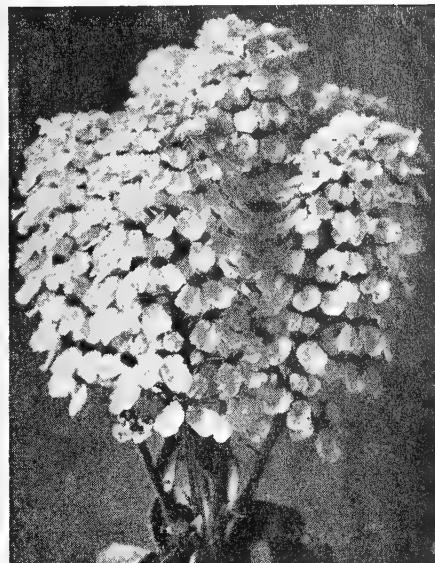
Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June; successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. Height, 1 foot.

GIANT WHITE HYACINTH FLOWERED. Very fine for cutting. Pkt. 15c.

UMBELLATA. Mixed. Pkt. 15c.



CARNATIONS



CANDYTUFT

CARDINAL CLIMBER (ac)

Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all Summer.

IPOMOEA CARDINALIS. Pkt. 25c.

CLARKIA (a)

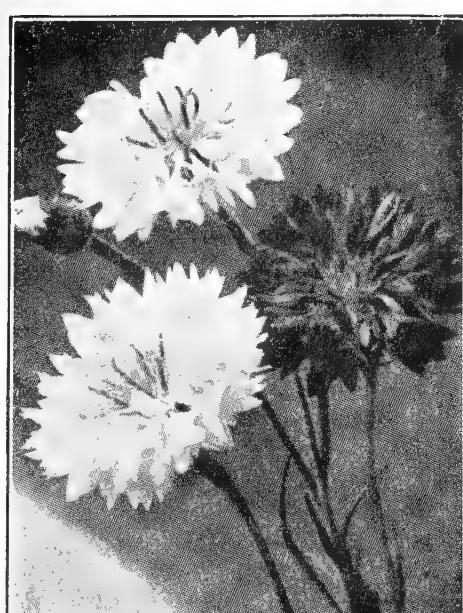
An annual, flowering in July, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which open in water when cut.

ELEGANS. Double. Choice mixed. Height, 2 feet. Pkt. 10c.

COCKSCOMB (See Celosia)

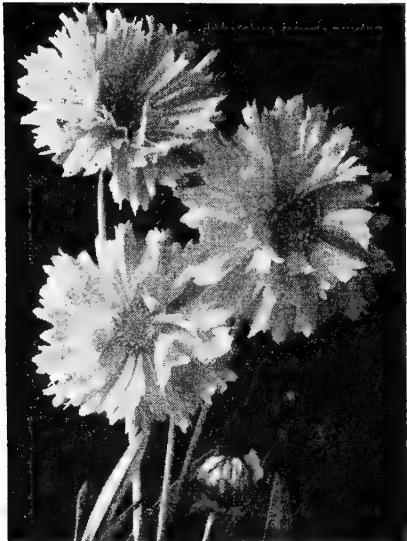
COLUMBINE (See Aquilegia)

CORAL BELLS (See Heuchera)

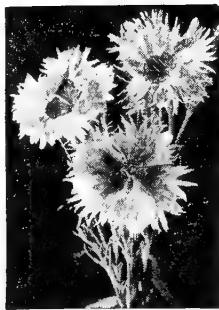


CORNFLOWER (*Centaurea*)

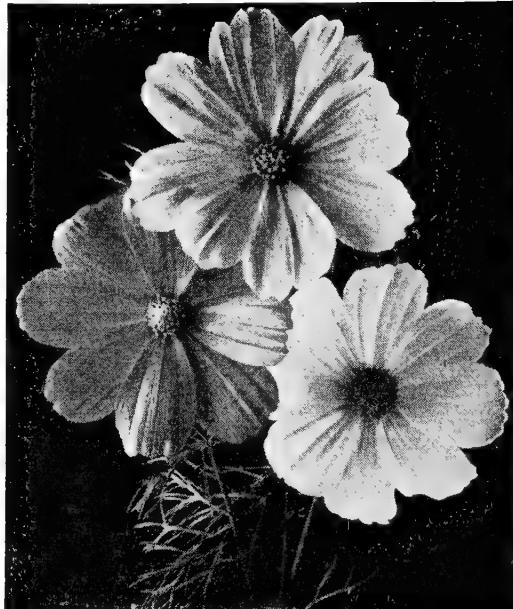
ANNUAL AND PERENNIAL FLOWER SEEDS



COREOPSIS, DOUBLE SUNBURST



DIANTHUS HEDDEWIGII



COSMOS, SENSATION MIXED

COREOPSIS (p)

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting. Height, 3 feet.

GRANDIFLORA DOUBLE SUNBURST. Much of the beauty of early Summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, 1 1/2 to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration. Fine keepers; plants are easy to grow. Pkt. 15c.

CORNFLOWER (See Centaurea)

COSMOS (a)

No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late Summer and Fall. Fine for cutting as the flowers last well in water. Cosmos are easy to grow.

YELLOW FLARE. Bright clear yellow, the new Yellow Flare Cosmos brings a new shade to this family. For many years gardeners have been wishing for a yellow Cosmos and here it is fresh and glowing. Single flowers 2 1/2 in. across produced in great masses on 3-foot plants. Pkt. 20c.

SENSATION PINKIE. The finest new development in Cosmos. Flowers very large, as much as 5 inches in diameter, with broad, heavy fluted petals, slightly overlapped. Ideal for cut flowers. Sturdy plants 3 to 4 feet high, producing flowers 8 to 10 weeks from seed. Pkt. 15c.

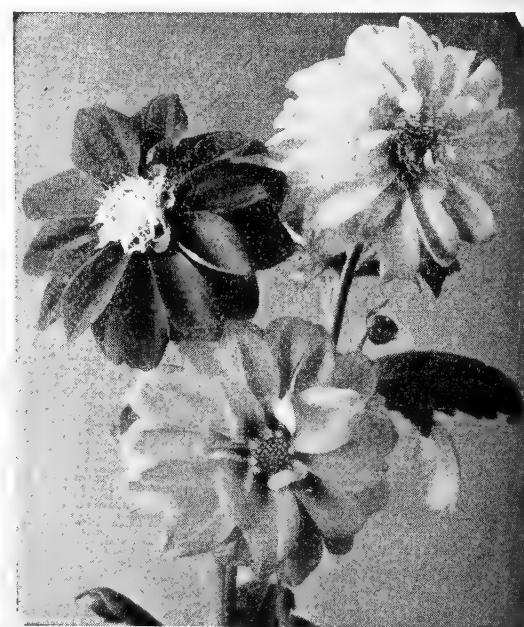
SENSATION DAZZLER. A mammoth type similar to Pinkie but of a dazzling crimson shade. Very startling, true to form, immense in size. Pkt. 15c.



CORNFLOWER JUBILEE GEM



COSMOS DAZZLER

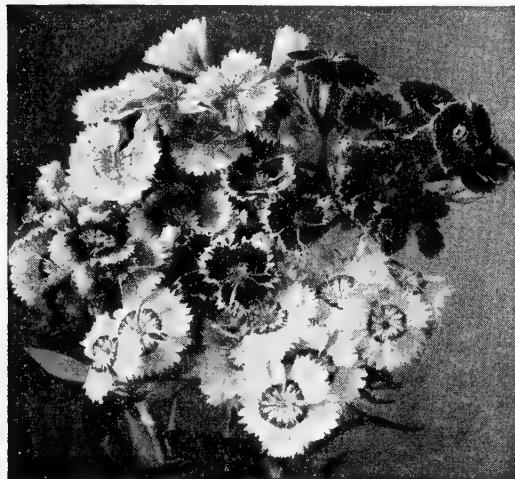


UNWIN'S DWARF HYBRID DAHLIAS

ANNUAL AND PERENNIAL FLOWER SEEDS

DAHLIAS (Continued)

COLTNESS DWARF HYBRIDS. A very dwarf variety for bedding. This strain produces many beautiful pastel shades and a high percentage of single flowers. The finest of the Dahlias for cutting. Growing the miniature Dahlias from seed is becoming a popular garden practice. Mixed colors. Pkt. 25c.



DIANTHUS, SWEET WIVELSFIELD

DIANTHUS, Pinks (a)

A charming class of annual flowers for beds, borders, edgings, and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

SWEET WILVELSFIELD SINGLE. A lovely, sweet scented Pink of recent introduction. Annual growing to 12 inches tall. Excellent for cutting and certainly an attraction in the garden because of its pleasing odor. Pkt. 25c.

HEDDEWIGII LACINIATUS DOUBLE MIXED. Superb flowers rivaling the Carnation in size and doubled blossoms. Excellent for bouquets. Pkt. 25c.

DIANTHUS BARBATUS (See Sweet William)

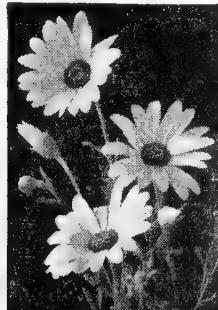
DIGITALIS, Foxglove (b)

This ornamental hardy plant is used extensively for naturalizing in shrubbery borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July. Height, 4 to 6 feet.

GLOXINIAEFLORA. This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes. **Mixed Colors.** Pkt. 15c.



GAILLARDIA DAZZLER



DIMORPHOTHECA AURANTIACA



PACIFIC HYBRID DELPHINIUMS

DELPHINIUM (p)

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The dwarfs are valuable in the border while the magnificent tall varieties are stately and beautiful in front of a shrubbery background. Above the deeply cut dark green leaves rise long floral spikes. Height, 1 to 8 feet.

PACIFIC HYBRIDS. A new strain of Delphiniums originated on the Pacific Coast to grow under Pacific Coast conditions. Huge flowers, 2½ to 3½ inches in diameter, beautifully spaced on well-balanced tall spikes. Highly resistant to mildew. Color range excellent and comes practically 100% Double florets. Pkt. 50c.

BLACKMORE & LANGDON HYBRIDS. Without question the finest strain of large flowered hybrid Delphiniums. Various shades and color combinations in the individual flowers. Will produce amazingly large flowers and spikes. Pkt. 25c.

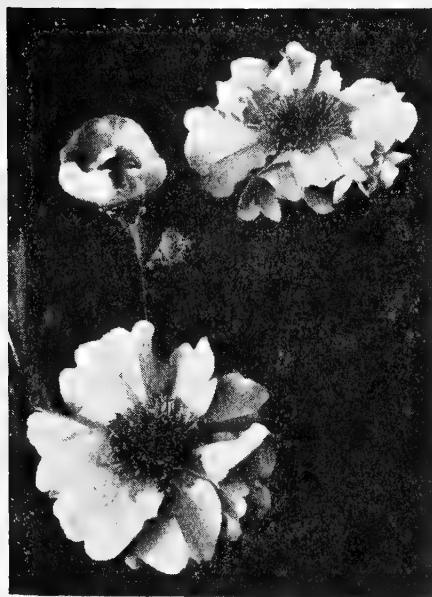
DIMORPHOTHECA, African Golden Daisy (a)

The plants are of branching habit, growing about 15 inches high. An easily cultivated annual.

AURANTIACA HYBRIDS. The flowers are equally large, but vary in color from the purest white to yellow, orange and rich salmon shades, many being zoned with several of these colors around the black disk. Pkt. 15c.

ORANGE IMPROVED. Pkt. 15c.

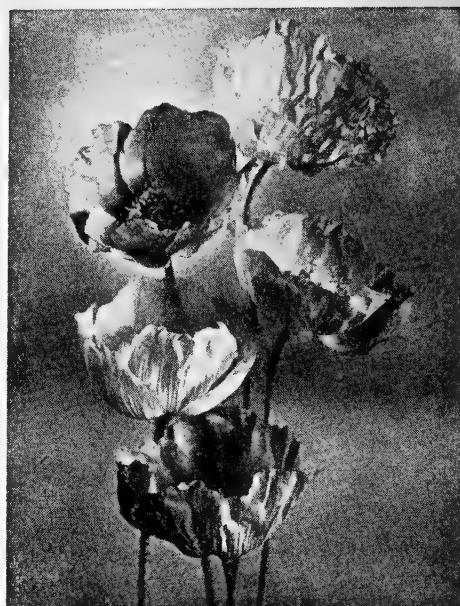
ANNUAL AND PERENNIAL FLOWER SEEDS



GEUM



GODETIA



ICELAND POPPIES (See Page 19)

ESCHSCHOLTZIA, California Poppy (a)

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom in a few weeks after the seed is sown. Height, 12 to 18 inches.

GRANDIFLORA HYBRIDS. Large flowering varieties in the most exquisite shades of gold, copper, bronze, scarlet, purple and crimson. **Mixed Colors.** Pkt. 10c.

AURANTIACA, ORANGE. The ordinary California poppy. Pkt. 10c.

FLAX (See Linum)

FOUR O'CLOCK, Marvel of Peru (a)

A favorite showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. The plants bloom freely from July until frost.

Tall, Mixed. 2 feet tall, in many fine colors. Pkt. 10c.

FOXGLOVE (See Digitalis)

GAILLARDIA, Blanket Flower

SINGLE MIXED (a). Large daisy-like blossoms of yellow and bronze with central cones of yellow. Pkt. 10c.

PICTA LORENZIANA DOUBLE CHOICE MIXED. This is a new large, double Gaillardia of recent introduction. Fine form, good color range, extremely attractive and easy to grow. Pkt. 25c.

DAZZLER. Large, well formed flowers, very vivid in the garden as the name implies. Golden yellow and maroon red. Striking perennial. Pkt. 15c.

GEUM, Avens (p)

Beautiful hardy perennials, bearing profusely large, showy, double, dark crimson flowers all through the Summer. An elegant flower for bouquets. Height, 18 inches.

LADY STRATHEDEN. A new golden yellow with large full flowers of great beauty. Pkt. 15c.

MRS. BRADSHAW. Large, double, brilliant orange-scarlet. In flower throughout the entire summer. Pkt. 15c.

GODETIA, Satinflower (a)

Very handsome annual plants especially suited for semi-shady locations. Sow in Spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form.

TALL DOUBLE. Long graceful spikes are decorated with double blossoms resembling satin pompons one above another. Height, 2 feet. **Choice Mixed Colors.** Pkt. 15c.

ORNAMENTAL GOURDS (ac)

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments.

Large and Small Sorts Mixed. Pkt. 10c.



GAILLARDIA

ANNUAL AND PERENNIAL FLOWER SEEDS

GYPSOPHILA, Baby's Breath

ELEGANS GRANDIFLORA (a). London Market Improved. An improved annual strain with single large pure white flowers. Sow at intervals for a supply of flowers throughout the Summer. Height, 2 feet. Pkt. 10c.

PANICULATA WHITE (p). Hardy perennial with sprays of tiny rose-shaped blooms. If cut before the flowers are fully opened, sprays can be used in winter bouquets. Height, 3 feet. Pkt. 15c.

DOUBLE WHITE (p). Each flower double, pure white. Excellent for dry bouquets if cut and treated like the single variety. Good cut flower. Pkt. 25c.

HELIANTHUS, Sunflower (a)

SUN GOLD, Double Sunflower. Dramatic and striking in beauty. All double in a brilliant golden yellow color. Blooms 4 to 5 inches in diameter, are a delight in a background planting in full sun where they will produce a vivid splash of color in mid-summer. Plants reach a height of 4 to 5 feet depending upon soil and climate. Very free flowering. Pkt. 15c.

HELICHRYSUM, Straw Flower (a)

The finest of all Everlastings. They make unusually fine Winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. A wide range of brilliant and soft colors. Height, 2 to 3 feet.
Finest Mixed. Pkt. 15c.

HEUCHERA, Coral Bells

A perennial growing 1½ to 2 feet. We offer a new strain of Coral Bells in a rich scarlet hue. Bell shaped blooms on slender spikes 12 to 18 inches long. Blooms from June to September. Fine for borders, rock gardens and for cutting. Best if left undisturbed in a secluded area of the garden. Spreads rapidly but never a pest. Pkt. 35c.

HOLLYHOCK, Althaea (p)

The beautiful color effects produced by the planting of these flowers, render them indispensable for the old-fashioned garden or the herbaceous border. Height, 6 to 12 feet.

INDIAN SPRING. Silver Medal, All-America Selections, 1939. Semi and double flowers of bright rose and rosy carmine. Its many flowered branches produce a continuous show until frost. Flowers first year from seed. Pkt. 15c.

DOUBLE TRIUMPH MIXED. Beautifully fringed rosette flowers in many new shades and bi-color combinations. Pkt. 15c.

IBERIS (See Candytuft)

ICELAND POPPY (See Poppy Nudicaule)

IPOMOEA, Morning Glory (ac)

SCARLETT O'HARA. Gold Medal, All-America Selections 1939. An entirely new color in the popular Morning Glories—rich dark wine red or deep rosy crimson. Flowers 4 inches in diameter, freely produced on fast growing vines. The dark green foliage does not make a heavy growth, leaving plants graceful in appearance. Pkt. 15c.

PEARLY GATES. Silver Medal, All-America Selection 1942. A big, satiny white morning glory with a creamy shading in the throat. Early blooming climber, literally covered with lovely flowers. Company to Clark's Early Heavenly Blue. Pkt. 25c.

CLARK'S EARLY HEAVENLY BLUE. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 2½ inches across and blooms until frost. Pkt. 10c.

MIXED IMPERIAL. These are beyond question the handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond description. Pkt. 15c.

LARKSPUR (a)

Annual Delphiniums are adorned with finely cut, feathery foliage which set off to advantage the handsome long floral spikes of double blossoms. The colors range from pure white through soft shades of lavender and pink to deep blue.

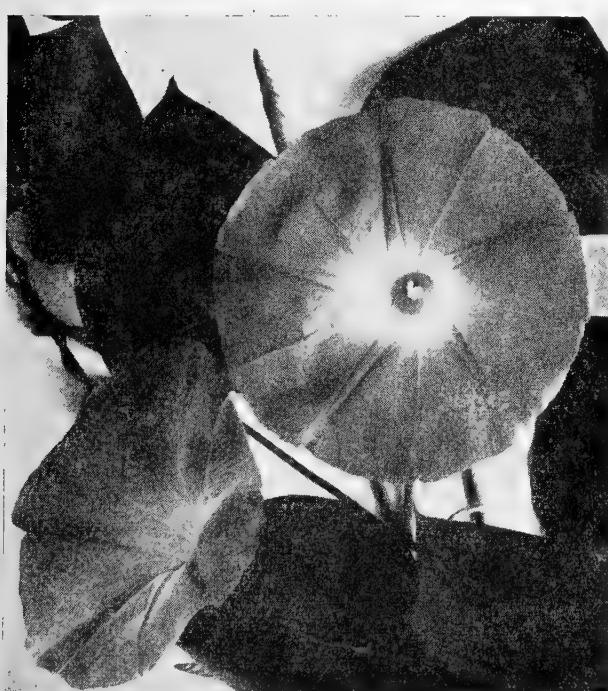
GIANT IMPERIAL. Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs for general garden use. Their delphinium-like spikes of double florets are carried on stout stems 4 to 5 feet.

WHITE KING. Special Mention, All-America Selections, 1937. The flowers are a pure, glistening white, with extremely large double florets, sometimes measuring 2 inches across, evenly spaced on the stem. Early, the finest Larkspur. Pkt. 15c.

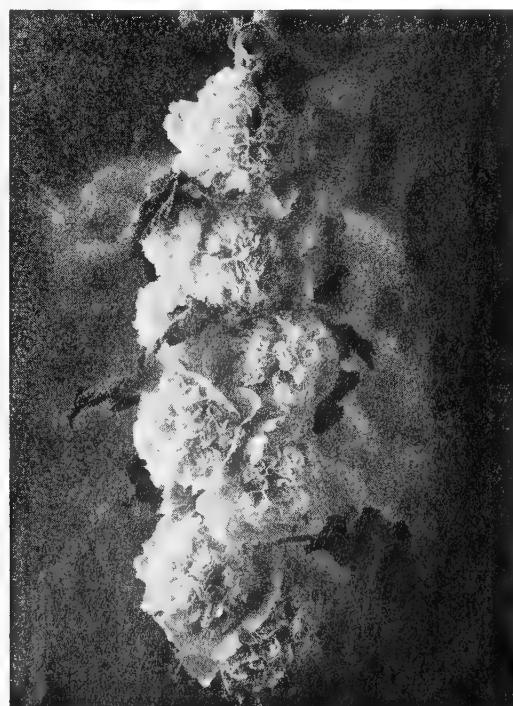
BLUE SPIRE. Very deep violet blue. Outstanding blue. Pkt. 15c.

PINK PERFECTION. The 2-inch florets of rounded broad petals are evenly and closely spaced on the stem, giving a very heavy Hollyhock-like cutting spike 24 inches or more in length. Color is a very luscious shade of lively light pink. Pkt. 15c.

Finest Mixed. Pkt. 15c.



IPOMOEA, CLARK'S HEAVENLY BLUE



DOUBLE HOLLYHOCK

ANNUAL AND PERENNIAL FLOWER SEEDS

LINARIA, Miniature Snapdragon (a)

This interesting species bears flowers which resemble miniature Snapdragons ending in single elongated spurs. It includes both trailing and erect growing varieties which are little known but worthy of greater attention. Height, 8 to 18 inches.

MAROCCANA MIXED. This is an erect sort with finely cut foliage and with blossoms clustered on upright spikes. The colors which are varied embrace many shades of crimson, orange, and blue. The plant is in flower within two months. Pkt. 15c.

LINUM, Flax (a)

GRANDIFLORUM RUBRUM. An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Though the flowers last only one day, new ones appear every morning. Pkt. 10c.

PERENNIAL BLUE. A beautiful shade of Blue Linum (Flax), grows to 2½ feet. Fine for borders. Thrifty grower, adapts itself to most any type of soil. Pkt. 20c.

LOBELIA (a)

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes. Height, about 6 inches.

COMPACTA, CRYSTAL PALACE. Erect and very free blooming. Best dark blue for edging. Fine for pots. Pkt. 15c.

HYBRIDA PENDULA SAPPHIRE. A trailing annual useful in pots and flower boxes where it can trail over the edge and display its beautiful deep blue, white-eyed flowers. Pkt. 15c.

LUPIN, Sun Dials

Thrive in almost any situation. Sow where they are to bloom in May, and as plants grow, thin out to 1 foot apart.

RUSSELL LUPINS. Long, closely furnished spikes flower in a great variety of rich colors—deep yellows, oranges, reds, and brilliant bi-colors never seen in Lupins before. The florets are large with a flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the whole period of development. Awarded the Royal Horticultural Society's Gold Medal, June, 1937. Pkt. 25c.

MARIGOLD (a)

FLASH. A new single type of Marigold, blooms 8 weeks from seeding and continues all summer and fall. Never have we seen a Marigold so uniform in habit nor one which blooms so profusely. Individual flowers of this new single French Marigold grow 1¾ inches and more across; the plants 18 inches tall. Fine for beds, borders and cut flowers. Easy to grow. Pkt. 25c.



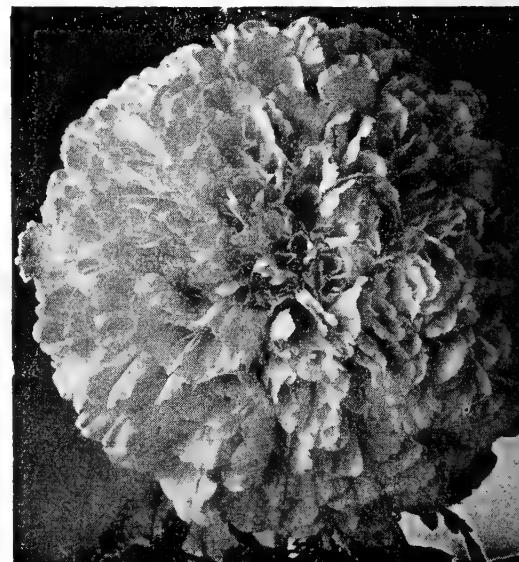
MARIGOLD, YELLOW PIGMY

SCARLET GLOW, Dwarf French Double Marigold. Grows to a height of 12 inches, bearing a profusion of mahogany red blossoms turning to orange scarlet. Very attractive as a border specimen. You'll enjoy this colorful Marigold as it is covered with colorful blooms from the start of the season until frost. As in the case of all flowers, Scarlet Glow will bear through the entire season if you'll keep the faded blooms picked. Pkt. 15c.



MARIGOLD, DWARF FRENCH

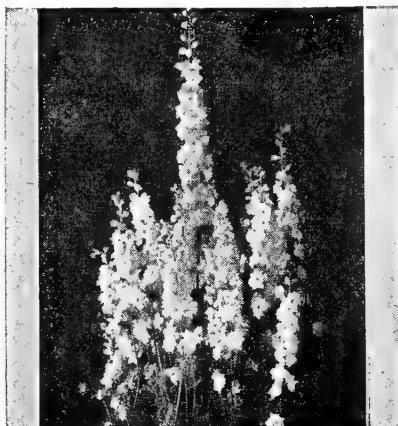
SPRY. The most profuse blooming of all Marigolds. Extremely dwarf and compact, their maximum height being 9 inches and their spread 15 inches. Flowers are composed of a pincushion crest. Center bright, clear yellow and guard petals are a lovely contrasting mahogany-red. Pkt. 15c.



MARIGOLD, GIGANTEA



LOBELIA



LARKSPUR, GIANT IMPERIAL

ANNUAL AND PERENNIAL FLOWER SEEDS

MARIGOLD (Continued)

MINIATURE, YELLOW PYGMY. Honorable Mention. All-America Selections, 1940. Light lemon yellow. Lilliput French double type, growing only 8 inches tall and compact. Small, 1 1/4 inches, blooms rather free. Excellent for edging and potting. Pkt. 15c.

GIGANTEA, FULL DOUBLE MIXTURE. Very showy, fragrant, and of exceptional size. Flowers are largest ever known in Marigold group, averaging 5 to 7 1/2 inches. A mixture ranging from deep orange through golden orange, deep golden yellow, light yellow, lemon yellow, and a delightful new shade of primrose. Pkt. 15c.

AFRICAN TALL DOUBLE (*Tagetes erecta*). Very large globular flowers composed of compact tubular or quilled petals. The stems should be cut carefully to avoid the somewhat disagreeable odor when bruised. Grows 2 1/2 feet tall. Comes in two shades; orange and yellow. Please specify which color or if mixed colors are desired. Pkt. 15c.

Mixed Colors. Orange and yellow. Pkt. 10c.

HARMONY HYBRIDS (All-double). An improved Harmony type. Wide and varied range of striking color combinations embracing mahogany, orange and yellow. Flowers 1 3/4 inches in diameter with crested center and flanking guard petals. Very early and 100 per cent double. This is an exceptional improvement in medium-dwarf French type marigolds. Pkt. 20c.

DWARF FRENCH, DOUBLE, MONARCH STRAIN. Award of Merit, All-America Selections, 1934. An excellent variety for low borders. A very compact type, with large double flowers, in a wide range of colors, in combination of orange, bronze, yellow and mahogany.

Finest Mixed. Pkt. 15c.

MARVEL OF PERU (See Four-o'clock)

MORNING GLORY (See *Ipomoea*)

MOSS ROSE (See *Portulaca*)

NEMESIA (ra)

This plant is excellent for edging purposes. Plants send up many slender stalks crowned with fairy-like flowers, something like the *Schizanthus*. When the flowers fade they may be trimmed back and will bloom again. Their colors run from the brightest reds, yellows, oranges, to the brightest blues and purples. Height, 6 to 12 inches.

COMPACTA TRIUMPH, FINEST MIXED COLORS. Pkt. 25c.



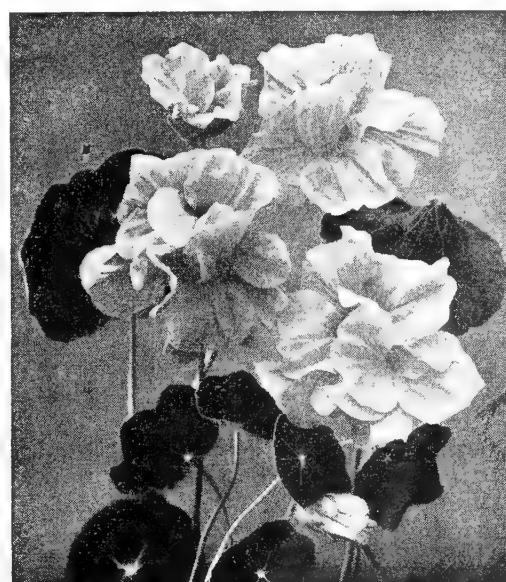
NEMESIA

NEMOPHILA

BABY BLUE EYES. A quick grower; early bloomer. Bears a profusion of lovely cup-shaped, sky blue flowers with white centers. Charming for the rock garden or for ground cover among tulips and narcissi and for edging. Plants grow 6 to 8 inches tall. Pkt. 15c.

NIEREMBERGIA HIPPOMANICA (ra)

NIEREMBERGIA, PURPLE ROBE. Bronze Medal, A. A. S. 1942. Nierembergia, Purple Robe, a very fine deep violet-purple shade, which maintains its deep color even in full sun and does not fade in the hottest climate. The plant is a neat compact extremely free-flowering one; is only 6 inches tall, with a mature spread of some 10 to 12 inches. A half-hardy perennial, Purple Robe blooms the first year from seed, but must be sown early indoors, for it takes 15 weeks from seeding to flowers. Pkt. 25c.



NASTURTIUM, GLORIOUS GLEAM

NASTURTIUM (a)

GOLDEN GLEAM. Plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet scented, large double flowers are golden yellow and average 2 to 3 inches across. Pkt. 15c.

SCARLET GLEAM. A sister of Golden Gleam. Its semi-double blossoms are similar in size and shape to those of the popular golden Nasturtium. Rich, dazzling scarlet. Sweet scented. Fine for cutting. Pkt. 15c.

GLORIOUS GLEAM HYBRIDS. Award of Merit, All-America Selections, 1935. Delightfully sweet scented; double. Color range includes brilliant blend of salmon, golden yellow, orange scarlet, cerise, cream, orange, maroon and crimson shades, and many spotted varieties.

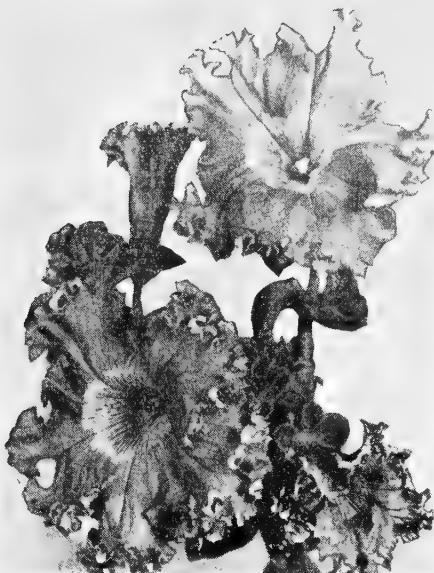
Mixed Colors. Pkt. 15c.

DWARF DOUBLE GOLDEN GLOBE. Award of Merit, All-America Selections, 1936. Vivid golden yellow, identical in color to Golden Gleam. Plants uniformly dwarf and compact, and bear great quantities of semi-double sweet scented flowers. Excellent for edging and window boxes. Pkt. 15c.

DWARF DOUBLE GEM MIXTURE. Novelty introduction, 1935. An evenly balanced range of colors on dwarf, compact gem-like plants. Ideal annual for border and edging use. Plants are dwarf and compact, totally without runners.

Mixed Colors. Pkt. 20c.

ANNUAL AND PERENNIAL FLOWER SEEDS



PETUNIA THEODOSIA

TALL OR CLIMBING NASTURTIUMS. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock-work, etc., nothing can equal their great quantities of bloom from early Summer until frost. The seed pods can be gathered while green and tender for picking. Height, 8 to 10 feet.

Finest Mixed. Pkt. 15c.

PETUNIA (a)

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the Spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained, the coarse growing plants frequently reverting to the common types.

CREAM STAR. Silver Medal, All-America Selections, 1940. Flowers shaped like a five-pointed star; soft creamy white, deepening towards the throat to a bright golden yellow. The compact habit of the plants makes Cream Star Petunia ideally suited for low beds. Plants bloom about 20 weeks after seed is sown. Pkt. 25c.

PETUNIA HYBRIDA NANA ERECTA. 1 foot. A fine type of petunia for small beds and borders; often used for pot culture. This petunia type holds its habit very well during the entire blooming season.

ROSY MORN. Soft rose-carmine-pink with a white throat. Dwarf growing and a luxuriant bloomer. Pkt. 35c.

MIXED HYBRIDS. A very decorative show may be had by sowing these mixtures. All colors combine to make a very fine Display. Pkt. 25c.

FLAMING VELVET. This is a very large grandiflora single type with plain edge identical to the erecta type hybrids. The color is luscious velvety blood red. Flaming Velvet is one of the most satisfactory petunias both for vigorous growth and beauty of color. Pkt. 35c.

SINGLE BALCONY PETUNIAS

A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches.

DEEP BLUE. Certificate of Honor, Royal Horticultural Society, 1935. Pkt. 25c.

ROSE. Rich fiery rose. Pkt. 25c.

WHITE. Award of Merit, Royal Horticultural Society, 1935. Pkt. 25c.

Mixed Colors. Pkt. 20c.

GRANDIFLORA SINGLE FRINGED

THEODOSIA. Soft rosy pink with contrasting veined golden yellow throat. An outstanding variety in this class. Pkt. 35c.

ELK'S PRIDE. This is by far the finest, largest, darkest, and best velvety purple in the single group of petunias. Pkt. 35c.

RUFFLED GIANTS OF CALIFORNIA

GLAMOUR. Glamorously lovely, this outstanding Petunia is a number one favorite with all who have seen it. A luscious shade of salmon rose, delicately veined brown in creamy open shallow throat, the five to six inch blooms have satiny petals heavily ruffled and unusually dainty. Plants develop to 2 to 2½ ft. A new color in this type of Petunia. Pkt. 50c.

SUPREME STRAIN. A new strain of rose and pink shades, light, richly-veined throats surrounded by satiny petals which are heavily ruffled. Large blooms, 5 to 7 inches in diameter, produced on strong, richly-foliaged plants. Excellent bedding variety; fine window box type. Pkt. 50c.



PANSIES

PANSY, Heart's Ease (b)

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich coloring. Low growing.

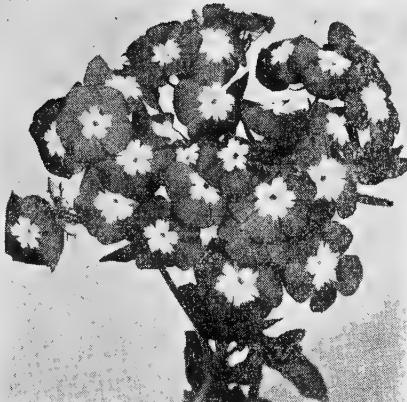
STEELE'S JUMBO. Many new and unique colors will be found in this mixture, pastel pinks, apricots, yellow, blues, brass tones, copper bronze, purple, red, in two and three color combinations and selfs. Fine form, heavy substance, long strong stems, fine for cutting and forcing. Very early. See color illustration inside front cover. Pkt. \$1.00.

MONARCH SWISS GIANT. Within the last few years the blossoms of this strain have been remarkably improved in every way. The plants are compact in habit and they produce immense circular flowers for a long blooming season.

Finest Mixed. Pkt. 50c.

POPULAR BEDDING MIXTURE. These are the popular saucy-faced beauties that everybody loves, comprising the finest in all colors. Pkt. 25c.

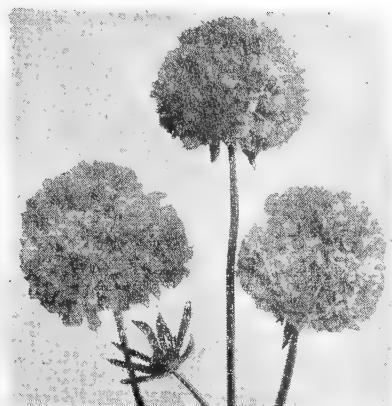
ANNUAL AND PERENNIAL FLOWER SEEDS



ANNUAL PHLOX



POPPY



SCABIOSA

PHLOX DRUMMONDI (a)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in Spring.

GIGANTEA, RED GLORY. Here is the brightest color that we have ever seen in phlox. The color is a brilliant red with a large creamy white eye which seems to intensify the red into an unbelievable sharpness. Florets often as large as a half dollar. Pkt. 25c.

GIGANTEA MIXED. A new strain of annual Phlox with single florets as large as an inch and one-half in diameter. The colors are soft pastel shades, such as apple blossom pink, salmon, light blue, pale violet, etc. Pkt. 15c.

PORTULACA, Moss Rose (ra)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors. Height, 6 to 10 inches.

DOUBLE MIXED. Pkt. 25c.

SINGLE MIXED. Pkt. 25c.

PINKS (See Dianthus)

POPPY, Papaver

Annual Poppies should be sown as early as possible in the Spring where they are to remain as they do not transplant readily. Mix the seed with builders' sand, using about 25 times as much sand as seed, then broadcast seed on surface of the ground and firm well. Plants should be thinned out to 6 inches apart for best results. Seed may be sown in rows also and in succession up to the middle of May.

ALL-DOUBLE MIXED. Improved strain of all-double Begonia-type flowers. Range of colors from light pink to dark crimson with fair sprinkling of Picotee types in scarlet and vermillion shades. One of the most excellent flowers for mid-summer bloomers and for cutting. Pkt. 15c.

SINGLE MIXED. A superb blend of this beautiful type of Poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red. Pkt. 15c.

NUDICAULE (p) (Iceland Poppy). A hardy Poppy slightly resembling the Shirley. Somewhat different in habit and contains many shades of yellow and orange. Height, 18 inches.

IMPERIAL JEWELS, MIXED. The finest strain of mixed colors in Iceland Poppies. The colors are well balanced. Large flowers grow on strong stems from 2 to 3 feet high. Pkt. 35c.

PYRETHRUM, Painted Daisy (p)

This plant is cousin to the Chrysanthemum and Matricaria and should play an important part in many a well planned garden. Height, 1 to 2 feet.

SINGLE MIXED. Radiating petals in many tones of rose and red about a golden center. Pkt. 20c.

RICINUS, Castor Bean (a)

Magnificent, tall, large-leaved plants of tropical appearance, succeeding in a warm, sunny location. Beautiful for large foliage groups and background. Height, 10 to 12 feet.

MIXED VARIETIES. Pkt. 10c.

SALPIGLOSSIS, Painted Tongue (a)

For delicate grace, richness of coloring, and velvety texture, the regal Salpiglossis has practically no equal. From a low base of leaves rise slender wiry stalks which bear one or more large Lily-like flowers in a magnificent range of colors. Height, 1 to 2½ feet.

SUPERB MIXED. Pkt. 15c.

SALVIA

BONFIRE. This variety grows about 2 feet tall and produces scarlet red blossoms from late summer to frost. The brilliant flower spikes are very attractive, growing very erect and globular. Pkt. 25c.

SCABIOSA, Pincushion Flower (a)

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. Seeds should be sown any time in the Spring after danger of frost is past.

SALMON BEAUTY. Pure salmon with huge flowers. Vigorous. The stems are long and stiff, making it a most popular flower for the garden or for cutting. Pkt. 15c.

IMPERIAL GIANTS, BLUE MOON. Honorable Mention, All-America Selections, 1939. An entirely different and improved flower and plant from the existing Scabiosa varieties. Fully double extremely large and deep. Petals broad, heavy, and wavy, entirely eliminating the pincushion center, rich deep lavender blue. Tall growing and very upright. Pkt. 15c.

GIANT HYBRIDS, MIXED. Pkt. 15c.

HARDY PERENNIAL VARIETIES

CAUCASICA. Giant Hybrids (Isaac House Strain). Fringed and ruffled, shades of blue from lavender to dark blue; very large flowers. Pkt. 25c.

SCHIZANTHUS, Butterfly Flower (a)

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of Orchids. Also useful as pot plants for late Winter and Spring; for this purpose sow in Autumn.

BUTTERFLY MIXTURE. Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches. Pkt. 25c.

ANNUAL AND PERENNIAL FLOWER SEEDS



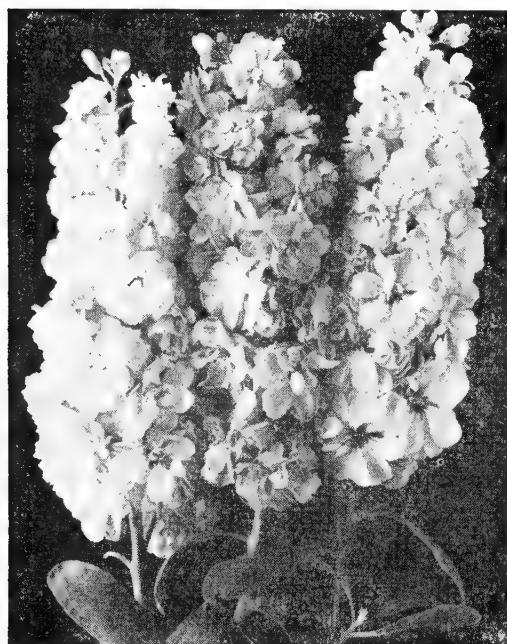
SHASTA DAISIES

SHASTA DAISY, *Chrysanthemum Maximum* (p)

It is a hardy plant bearing large white, single blooms with handsome yellow centers. They are valuable for border decoration and especially pleasing in bouquets.

DIENER'S DOUBLE. A new Shasta Daisy of delicate double form. Diener's Double Shasta Daisy is of exquisite form, a strong grower and a welcome addition to this branch of the flower family. Pkt. 25c.

ALASKA. Pure white, extra large flowers. Excellent for cutting. Height, 2 feet. Pkt. 15c.



STOCKS, GIANT IMPERIAL MIXED

STOCKS, Gilliflower (a)

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals.

DWARF TEN WEEKS. This early class forms dwarf compact plants that are excellent for edging or low beds. They often do well in sections where plants of the later types cannot be grown. 12 inches tall. Mixed colors. Pkt. 15c.

GIANT IMPERIAL (Column Stocks). Long stems and imposing spikes of large flowers make this the outstanding variety. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is less spreading and taller. Height, 2 feet. (See color illustration on front cover.)

Finest Mixed Colors. Pkt. 10c.

SNAPDRAGON (See *Antirrhinum*)

STRAWFLOWER (See *Helichrysum*)

SUNFLOWER (See *Helianthus*)

SWEET SULTAN (See *Centaurea*)

SWEET WILLIAM, *Dianthus Barbatus* (b)

A well known, attractive, free-flowering hardy biennial, producing a splendid effect in beds and borders with their rich and varied flowers. Height, 10 to 20 inches.

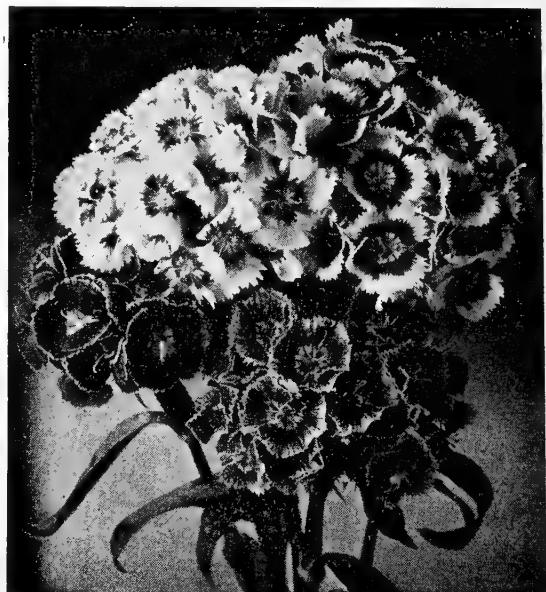
NEWPORT PINK. Watermelon pink or salmony rose color. Very beautiful. Pkt. 15c.

Single Varieties, Mixed. Pkt. 15c.

Double Varieties, Mixed. Pkt. 25c.

TITHONIA

TITHONIA (Golden Flower of the Incas). Sometimes called Mexican Sunflower. We offer only the Speciosa Early Flowering strain. Color orange vermillion, large single flowers, strong heavy growth, attractive late summer and fall bloomer. Pkt. 15c.



SINGLE ANNUAL SWEET WILLIAM

SWEET PEAS



CULTURE OF SWEET PEAS

CULTURE—First and most important, plant as early in the spring as the conditions will permit. Seeds should be sown at the rate of one ounce to 25 feet. Make a trench about 3 or 4 inches deep, planting seeds in the bottom about 2 inches deep, pressing the soil firmly. After the plants are well up, thin to 4 or 5 inches apart and draw the soil around them until the trench is filled above the level. This gives a depth to the roots, preserving the moisture. Keep the ground well worked and water if needed, an occasional soaking down being better than a daily sprinkling. Keep the flowers cut close.

FALL SOWING OF SWEET PEAS—In warmer climates, fall sowing results in finer blooms, particularly where hot summers prevail and tend to dwarf growth and stunt flowers. You'll enjoy larger blossoms on longer stems through fall planting. In early October, plant in mellow, enriched soil, inoculating the seed with NITRAGIN before planting (see page 32). You may trench if you choose, but trenching is not necessary in warmer climes.

SPECIAL MIXTURE SPENCER SWEET PEAS

This is our special mixture and is a blend of the most beautiful colors in Spencer Sweet Peas.

Pkt. 15c; oz. 50c.

GIANT FLOWERING SPENCERS

Prices on following varieties are:

15c pkt., 75c oz., postpaid.

PINK AND ROSE SHADES

PINKIE. Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blossoming period. Silver Medal.

YOUTH. This Sweet Pea can be described as a white ground Picotee but with slightly deeper color on the edges than its predecessor in this group. Strongly perfumed.

ULLABY. Charming shade of light rose pink. A strong grower. Award of Merit. National Sweet Pea Society, 1934.

PEGGY ANN. A late flowering variety of great beauty and distinction. A new and glowing shade of salmon pink. Most bewitching under artificial light. Delightfully perfumed. The stems are very long and stout with four huge blooms to a stem.

LAVENDER AND BLUE SHADES

AMBITION. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit.

POWERSCOURT. A clear pure lavender. Has been considered the best lavender for a number of years. It is still the most popular. The flowers are very pure in color.

REFLECTION. A clear blue unlike any blue sweet pea you've ever seen. The color is sunproof, delicate and very sweet scented. A recent introduction.

CHINESE BLUE. Chinese Blue is a solid, rich, deep blue without the objectionable fading out on the edges. The stems are long and bear four blooms throughout. Plants are strong and vigorous with a blooming season longer than that of the average Sweet Pea.

WHITE AND CREAM SHADES

GIGANTIC. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. Black seeded. Award of Merit.

AVALANCHE. Immense glistening white flowers. The blooms are very frilled. White seeded.

WHAT JOY. Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow.

ORANGE AND SALMON SHADES

GEORGE SHAWYER. A giant orange pink, the standard showing more orange than the wings. The flowers are perfectly formed and nicely placed. Award of Merit.

SMILES. Clear glistening salmon, best describes this exquisite variety. The large flowers are beautifully waved and fluted. Award of Merit.

CERISE SHADES

MRS. A. SEARLES. Salmon-cerise, merging into a soft oriental-red. A remarkable and distinct color. No collection is complete without this beautiful Sweet Pea.

RED SHADES

RED BOY. The very best crimson. It is a first class Sweet Pea for all purposes, especially for general garden culture. Award of Merit.

WELCOME. By far the best and most brilliant, dazzling, scarlet Sweet Pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society.

RUFFLED VARIETIES

BONNIE RUFFLES. A rich delicate salmon-pink on cream. Pkt. 15c.

RUFFLED BLUE. A very fine dark blue. Pkt. 15c.

RUFFLED CRIMSON. Rich velvety crimson. A beauty. Pkt. 15c.

RUFFLED EXQUISITE. Salmon cerise. Pkt. 15c.

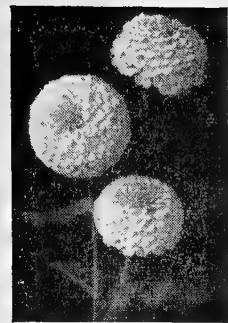
RUFFLED WHITE. Clear white. Pkt. 15c.

RUFFLED ROSE. A very rich rose. Pkt. 15c.

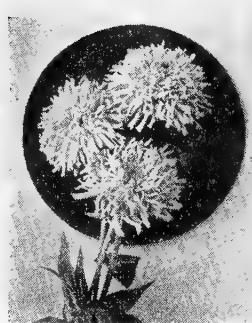
RUFFLED MIXED. A blend of the above colors. Pkt. 15c.



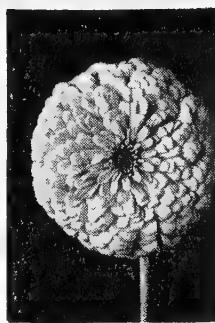
ANNUAL AND PERENNIAL FLOWER SEEDS



ZINNIA LILLIPUT



ZINNIA FANTASY



ZINNIA,
CALIF. GIANT

VIOLA, Tufted Pansies (a)

WALLER FRANKLIN FORMULA MIXTURE. This blend of bright gay colors far surpasses any mixture of Violas we have seen. Bright shades of self colors of red, yellow, blue, and apricot combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. Pkt. 25c.

VIRGINIAN STOCKS, French Forget-me-nots (ra)

Small red, rose and white flowers about $\frac{3}{4}$ inch across. Fine for edgings. For continuous display until Fall, several successive sowings should be made about two weeks apart. Height, 6 to 8 inches. Mixed colors. Pkt. 15c.

VERBENA (a)

One of the most popular garden annuals for beds and massing and for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost. Height, 6 to 8 inches.

SPECTRUM RED. The brightest Verbena in existence. The huge flowers are an intense bright red having no eye, the color is intensified and its brilliance is quite dazzling. Pkt. 25c.

FLORADEALE BEAUTY. Special Mention, All-America Selections, 1937. A giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptionally brightness. Individual florets of perfect form, fully rounded, and average $1\frac{1}{4}$ inches across; heads or trusses 4 to 5 inches across. Pkt. 25c.

ZINNIA (a)

One of the most satisfactory and showiest of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the Summer and continue until frost.

DOUBLE DAHLIA FLOWERED ZINNIAS. $2\frac{1}{2}$ feet. Enormous flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance. The following are the cream of the colors in Dahlia Flowered Zinnias.

WILL ROGERS. A recent introduction of very brilliant color and grand form. Lovely, brilliant scarlet-red. You'll like the color. Pkt. 15c.

CRIMSON MONARCH. Deep crimson, large flowers. Pkt. 15c.

DREAM. Deep rosy lavender. Pkt. 15c.

CANARY BIRD. Golden yellow. Pkt. 15c.

ORIOLE. Orange and gold bicolor. Pkt. 15c.

POLAR BEAR. White. Pkt. 15c.

SCARLET FLAME. Bright scarlet. Pkt. 15c.

MIXTURE OF ABOVE. Pkt. 15c.

CALIFORNIA GIANT ZINNIAS. This variety is taller than the dahlia flowered type, growing 3 to 4 feet, with long stems which make the flowers fine for cutting. Blooms are large and flat and very graceful for their size. We recommend California Giants to those who really enjoy zinnias. Improved since their introduction in 1926, they are now exquisitely beautiful in form and color. We offer this sort only in the mixed, believing that the blend of colors will please the most exacting flower lover. Finest shades mixed. Pkt. 15c.

MISS WILMOTT. California Giant Zinnia. A soft two-toned pink, darker at the edges, lighter shade of pink at the center with bright eye. A very attractive Zinnia; one you'll get a full measure of pleasure from, either as a cut flower or as a garden plant. Pkt. 15c.

LAVENDER QUEEN. California Giant Zinnia. A deep rosy, lavender. Planted together with Miss Wilmott, the combination produces a very beautiful color picture. This is a pastel shade (as is Miss Wilmott) and the two combine beautifully in a bouquet or in the border. Pkt. 15c.

FANTASY WILDFIRE. A rich, dazzling scarlet. Wildfire adds a distinct note of color and cheerfulness to the garden and will enliven any home when used in flower arrangements. Plant neat in habit, strong growing, and very free blooming; $2\frac{1}{2}$ to 3 feet in height; coming into flower 45 to 50 days after seed is sown. Pkt. 15c.

FANTASY STAR DUST. Silver Medal, All-America Selection, 1937. The lovely golden yellow variety in the popular Fantasy type Zinnias. Informal, shaggy-petaled, medium-sized flowers on plants $2\frac{1}{2}$ to 3 feet in height; stems of good length for cutting. Pkt. 15c.

FANTASY MIXED SHADES. Pkt. 15c.

LILLIPUT PASTEL MIXTURE. When we think of flowers for cutting, our minds automatically turn to the pastel shades. In this blend of tiny or baby zinnias are incorporated the very lovely soft shades of apricot, peach, creamy yellow, shell pink, delicate salmon, light rose and orchid which are prime favorites with florists, cut flower growers and those who grow and arrange flowers for the home. Don't fail to include a packet or two of this Lilliput Pastel Mixture with your order. Pkt. 15c.



FANTASY WILDFLOWER

for Finer Lawns, Sow Monarch TESTED LAWN SEED

V Monarch VELVETY LAWN GRASS MIXTURE

THIS PERFECTLY BLENDED LAWN GRASS MIXTURE WILL GIVE YOU A LAWN YOU CAN MOW IN SIX WEEKS FROM PLANTING. VELVETY LAWN Grass Mixture is a combination of grasses and clover mixed in such proportions as to give you a quick, sturdy and beautiful lawn. The faster growing grasses contained in Velvety Mixture serve as nurse crops for the slower growing varieties which are eventually the dominating grasses of the mixture. We placed Velvety Mixture on the market many years ago and from time to time have improved the blend by reducing some of the proportions and increasing the quantities of better grasses contained in the mixture until now in our IMPROVED VELVETY MIXTURE we have a grass that pleases wherever it is planted. Rate of seeding is 1 lb. to 250 sq. ft. Price, lb. \$1.60 (by mail \$1.70).

NATURE'S PREFERRED

Sheep Guano is a natural, humus fertilizer to which all grasses and flowers more quickly respond and on which they thrive for a longer period without renewal.

GROZ-IT Sheep Manure is "Tops". Weedless, practically odorless, finely ground . . . GROZ-IT is the ideal plant food to work into the soil before sowing a new lawn or for application to established turf.



S Monarch SHADY LAWN MIXTURE

It is difficult to grow a lawn under the shade of trees unless shade-loving grasses are selected. We have made up a mixture of such grasses in combination with White Dutch Clover. This mixture will produce a luxuriant lawn beneath the shade of trees. Our Shady Lawn Mixture will solve that "shade problem" and give you just the turf you have always wished for. Shade-loving grasses dominate this mixture insuring success in your efforts to get grass started under shade trees. Rate of seeding is 1 lb. to 250 sq. ft. Price, lb. \$1.65 (by mail \$1.75).

STRAIGHT LAWN SEEDS

CREEPING RED FESCUE. This is the lawn grass you'll hear much about as time goes on. Creeping Red Fescue combines the close growing qualities of Bent Grass with the dark green colors of Fescue. The grass blades are very fine texture, and the grass most sturdy and hardy. The finer lawns of the future will be planted to Creeping Red Fescue because of its enduring beauty and ruggedness. Red Fescue is not susceptible to brown patch and fungus diseases that attack Bent Grasses. Per lb. \$1.60, postpaid.

HIGHLAND BENT GRASS. For the finer lawns use Highland Bent. Particularly adapted to interior regions. Per lb. \$2.10, postpaid.

CHEWING'S FESCUE. A valuable grass, Especially good in shady places. Produces an upright turf of very fine texture. Extra Fancy Seed, per lb. \$1.60, postpaid.

WHITE DUTCH CLOVER. Extra fancy seed, free of weeds, of high germination. Per lb. \$1.70, postpaid.

WEED-NO-MORE MAGIC WEED KILLER

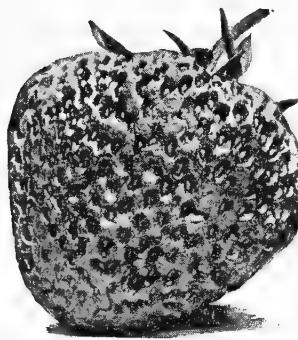
- Destroys weeds—roots and all!
- You just SPRAY the lawn—weeds and all!
- Is quick-acting—penetrates quickly!
- Will not injure the soil!
- Is not poisonous to humans or animals!
- Will not stain hands or clothing!
- Will not harm common lawn grasses!
- WEED-NO-MORE is economical! 1 oz.-pack-treats the average lawn, and in most cases one treatment will do.

1 oz. (treats 1600 sq. ft.) \$1.00
Quart size (treats 6400 sq. ft.) \$2.98
F.O.B. Medford, Ore.

MISCELLANEOUS PLANTS

WE GUARANTEE ONLY STRONGEST
PLANTS WILL BE SUPPLIED ON ORDERS.
IF INTERESTED IN LARGER QUANTITIES
PLEASE WRITE FOR PRICES.

The *Streamliner* Strawberry

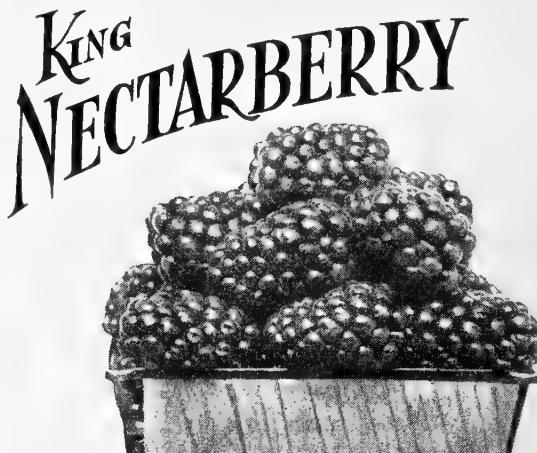


THE STREAMLINER STRAWBERRY—From the fertile Wallowa River Valley high in the Wallowa Mountains of North-eastern Oregon, Mr. Roy Edgmand found among a group of seedling strawberries a plant of unusual vigor and beautiful richness of color. With great enthusiasm he watched as this luxuriant plant burst into a profusion of bloom and the berries grew and gradually ripened into large, bright deep red fruit with a minimum amount of seed. Especially was Mr. Edgmand pleased with the true strawberry aroma which has been lost in the highly hybridized plants on the market. Not satisfied with the promise of something new Mr. Edgmand was determined not to put it on the market until he had experimented with it and had it tested and tried in other sections of the United States, in hotter climates, lower altitudes and varying types of soil. Always the answer was "unique", "outstanding", "unexcelled". After five years of testing it proved to be "tops" for shipping and would stand up for several days on the markets of nearby cities. Because of its firmness without being tough, its sweetness and its deep constant color it proved highly adaptable for canning and freezing purposes. Young plants set out in May were producing enormous quantities of large luscious fruit by the first of August and continuing until severe frost without the normal decrease in size. It ripens fully ten days ahead of Rockhill. You'll marvel at its productiveness and flavor. Be sure to try Streamliner. Supply limited this season. Order early. See back cover. Postpaid prices: 12 plants \$2.00; 25 plants \$3.75; 50 plants \$7.00; 100 plants \$12.50.

NEW GEM STRAWBERRY. This is an exceptionally fine strain of runner-type strawberry; produces exceptionally fine flavored fruit. An everbearer with very firm, excellently flavored fruit, of good size and very uniform. Unlike many white-center everbearing types, Gem is red entirely through the fruit. Very hardy, easy to start, bears consistently and late. Prices postpaid: 25 plants for \$1.75; 100 plants \$5.00. Write for quantity prices.

ROCKHILL STRAWBERRY. An everbearing, runnerless strawberry of exceptional quality. Bears a large attractive berry about the size of Gem. Its flavor is excellent. Produces from early spring to late fall. Does not produce runners. It spreads by crown development. Place orders early as Rockhills are quite scarce this season. For the home gardener we suggest and recommend Streamliner or Gem. Either is easier to establish and while they have runners, we believe the home gardener will find Streamliner or Gem more adaptable. Prices postpaid: 25 plants \$4.00; 50 plants \$7.50; 100 plants \$14.00.

KING NECTARBERRY (See back cover). We introduced this very flavorful berry in 1943. It has filled every claim we made for it. Nectarberries are of mammoth size with particularly large juice cells. The flavor is pleasing, carrying the tang of Youngberry and the pleasing taste of Raspberry.



Nectarberries begin to ripen about two weeks after the first Youngberries and vines will be completely loaded with ripe and partially ripe berries and bloom. They have less acid and are a dark, wine color, almost black when ripe. Almost seedless. Hardy under both drought and cold. Winters successfully in the colder States. Fine for jam or jellies and without peer as fresh fruit with cream. Our plants come to us from a dependable grower who has made the growing of berries his main endeavor. We guarantee strong, true-to-type plants in 1-year tips. Postpaid prices: 1 to 5 plants, 55c each; 6 to 10 plants, 45c each; 10 to 50 plants, 40c each; 50 to 100 plants, 35c each.

BERRIES, POTATOES, PLANTS

CANE BERRIES

INDIAN SUMMER "Everbearing Red Raspberry"

A new two-crop Red Raspberry developed by the New York Experiment Station. Bears in summer and again in fall, continuing until frost. The berries are large, somewhat conical, of medium red color and high quality. Plants are hardy and vigorous growers. Indian Summer is a raspberry you should have in your garden. Surpasses any ever-bearing type ever introduced. We have eaten Indian Summer berries as late as November 15th, and they were delicious

See color illustration on back page.

35c each, 10 for \$3.00

NEW WASHINGTON (Raspberry). A new raspberry which is gaining in popularity each year. Produces a very heavy crop of berries that are slightly larger than Cuthbert, firmer and brighter in color. New Washington is disease resistant, a strong grower, fine for home garden or for shipping. Transplanted plants 25c each, 10 for \$2.00.

CUTHBERT (Raspberry). This is the leading red raspberry. Strong and abundant bearer. Berries large, a beautiful deep crimson possessing a most pleasing flavor. Easy to pick and holds up well in shipping. Fine for home use or shipping. Transplanted plants 20c each, 10 for \$1.75.

OREGON CHAMPION GOOSEBERRIES. Large, skin light green with flesh very sweet, juicy, excellent flavor. Very prolific bearer and will not mildew. 35c each, 10 for \$3.00. Heavy 2-year plants.

CHERRY CURRANTS. The largest of all red currants; berries sometimes more than half-inch in diameter; bunches short; plant very vigorous and productive when grown on good soil and well cultivated. 50c each, 10 for \$4.50. Large, strong plants.

ASPARAGUS

MARY WASHINGTON. Asparagus has become one of the most popular vegetables for home use and can very easily be grown. Once established, it will produce tender stalks for 8 to 10 years. We offer one-year plants of the new rust-resistant Mary Washington type. As a standard variety for home or market garden it has no peer. Doz. 75c; 100 plants \$5.00, postpaid.



IRISH COBBLER. One of the older and best known varieties and still popular is Irish Cobbler. White skin, white meat, good cooker, fine flavor. Yields are comparable to the best field varieties. Early sort. 10 lbs. \$1.50, postpaid to 3rd zone. Write for quantity prices.

NETTED GEM. This is the most popular of the late potatoes. Known in some parts of the country as Russet, Buckskin, and Gem. This is the potato that made Idaho famous. Very mealy, good keeper, fine yielder, excellent flavor. 10 lbs. \$1.50, postpaid to 3rd zone. Write for quantity prices.

RHUBARB PLANTS

RIVERSIDE GIANT RHUBARB

Has stood the test of time; crisp, tender, free from stringiness, good flavor, delicious, distinctive flavor. The skin is so thin it disappears in cooking. Has every good characteristic a commercial rhubarb should possess. Yields of over 35 tons per acre are common.

Price: Each, postpaid, 40c.



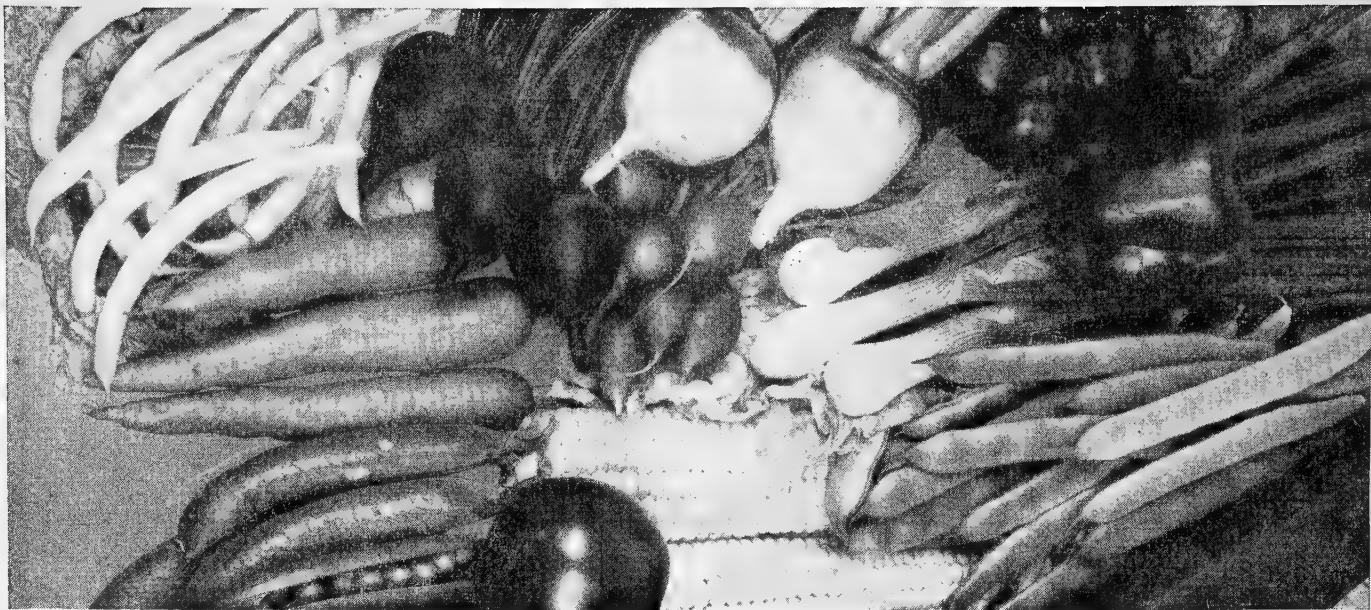
Our plants are from two-year-old stock being divisions and not seedling plants. They will produce earlier for you.

SEED POTATOES

CHIPPEWA. There are more people bragging about their crop of Chippewa potatoes. Large, so flavorful, free of disease, so many in the hill, easy to grow, delicious in flavor and a good cooker. Also a good keeper. An early sort, heavy yielding, white skin and flesh. Good size and shape. It is likewise highly resistant to mild Mosaic disease which destroys many varieties. 10 lbs. \$2.00, postpaid to 3rd zone. Write for quantity prices.

EARLY BLISS TRIUMPH. The most popular pink potato. Very early. Tubers handsome appearing, being almost round with only slightly depressed eyes, mostly at the seed end. Run very uniform as to size and shape. Heavy cropper and good flavor. We offer only certified seed as a protection against mild Mosaic disease which often reduces yields 50%. 10 lbs. \$1.50, postpaid to 3rd zone. Write for quantity prices.

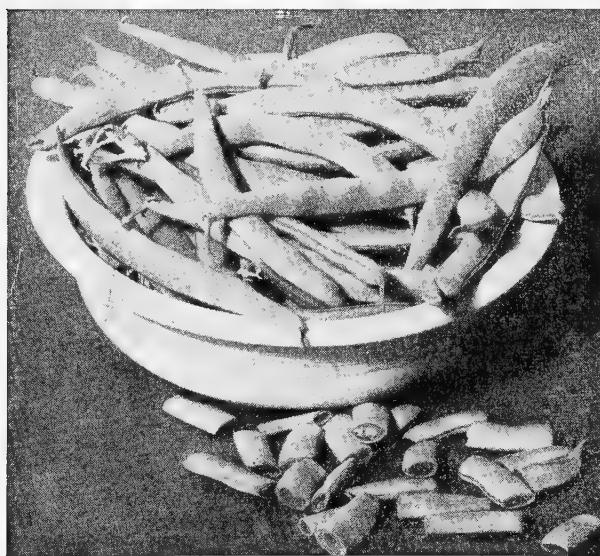




DWARF OR BUSH BEANS

One pound will plant a row 100 feet long;
about 1 1/4 bushels to the acre

HOW TO GROW DWARF OR BUSH BEANS. Make the rows 18 inches or 2 feet apart, and drop the beans 4 inches apart in the row. If the soil is warm and loose, plant 2 inches deep; if rather cold and wet, plant only one inch deep. Beans, especially the yellow-podded varieties, will rot very easily if planted when the soil is wet and the atmosphere is cold. If you do not want to run the risk of replanting them, do not plant your beans until the soil is warm. Cultivate often but never when the plants are wet, as this brings on rust. Pick the beans as fast as they become fit to use; this makes them bear longer. Special prices to market gardeners. Send your list to us for prices.



DWARF TENDERGREEN

Green Podded Varieties

Prices postpaid: Pkt. 10c; 1/2 lb. 30c; 1 lb. 50c.
Unless Otherwise Noted.

DWARF TENDERGREEN. Here is a comparatively new green bush bean variety. It has "won its spurs" and is today's outstanding variety. Matures in 54 days from planting, therefore is early. Plants large, erect, productive. Pods are round, fleshy, stringless and of the finest flavor. Seeds brown, mottled with light fawn. By all means, include Dwarf Tendergreen in your garden this season.

IMPROVED STRINGLESS GREEN-POD.

Matures in 48 days. High quality for home and market garden. One of the favorites through the years. Splendid as a canning variety or for snap beans. Plant large, thrifty, heavily productive. Pods medium green; 5 1/2 inches long, almost 1 1/2 inch wide and equally thick; very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown. Pods similar to Giant Stringless Green Pod but a trifle shorter and thicker.

NAVY BEANS. Matures in 90 days. This is the favored dry bean for baking and for soups. Very small, seed pure white, vines thrifty and very productive.

PENCILPOD BLACK WAX. Plant large and thrifty; heavily productive over long period. Pods handsome, bright yellow; 5 1/2-6 in. long, 3/8 in. thick, cylindrical; very fleshy, strictly stringless, brittle, fine grained and tender; quality unexcelled. Seeds black.

GOLDEN WAX. Matures in 48 days. A splendid home garden variety; also much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4 1/2 to 5 inches long; 1/2 inch wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet-carmine and purple.

Miller's

SABADUSTO KILLS SQUASH BUGS

For the first time in the long history of insecticides there has finally come to light an effective destroyer of this pernicious pest.

SABADUSTO will completely destroy Squash Bugs.

You merely dust the powder on the leaves and the soil surrounding the plant . . . Presto . . . they disappear, once and for all.

Pound Pkg., Postpaid, 90c

VEGETABLE SEEDS



BEAN, OREGON GIANT

POLE OR RUNNING VARIETIES

Prices postpaid: Pkt. 10c; 1/2 lb. 30c; lb. 50c,
unless otherwise noted.

CULTURE. One pound will plant 50 hills, 30 pounds per acre. The soil should be mellow, rich and warm. Lay the ground out in hills 4 feet apart each way, and set poles 8 to 10 feet long firmly in the hills before planting the seed. Plant 5 or 6 beans in a hill and cover about 2 inches deep; leave three plants at each pole, and when a few inches high draw a little earth around them as support. Set the poles before the plants have grown to large size; many gardeners consider it an advantage to set the poles when planting, thus avoiding disturbing the small plant or its roots.

OREGON GIANT. A very desirable snap bean. A good climber and very prolific. Pods long, thick-flat, stringless when young, exceedingly tender, rather broad, meaty, pods splashed purplish blue. Pkt. 15c; 1/2 lb. 35c; lb. 60c.

BLUE LAKE BEAN. Matures in 62 days. A splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5 1/2 inches long, 1/2 inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking. Because of the near-stringless character of this variety it is preferred by many to Kentucky Wonder.

KENTUCKY WONDER (Old Homestead). Matures in 65 days. Unexcelled for home garden and for market. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 inches long, nearly round and 1/2 inch in diameter; slightly stringy, very fleshy, brittle, tender. Prices at top of page.

SCARLET RUNNER. Matures about same as Limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 inches long, flat oval; fleshy; desirable for snaps and green shell beans. Very attractive as porch or arbor cover. Pkt. 15c; 1/2 lb. 35c; lb. 60c.

LONDON HORTICULTURAL (Speckled Cranberry). Ready for snaps in 65 days; green shell beans in 74 days. Splendid for home and market garden. Good climber, thrifty, heavily productive. Pods green, becoming splashed with carmine at green shell stage; 7 inches long, wide, straight, stringless. Prices at top of page.

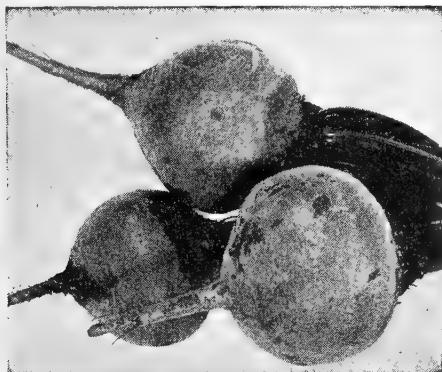
LIMA BEANS

Prices postpaid: Pkt. 10c; 1/2 lb. 30c; lb. 50c.

KING OF THE GARDEN LIMA. Matures in 88 days. Climber, heavily productive. Pods 6 inches long, 1 1/4 inches wide, 3/8 inch thick, usually with 4 or 5 beans. Seeds large, thick, flat, white. An improved strain of large White Lima. Prices at top of this page.

BURPEE'S BUSH LIMA. Matures in 75 days. Plant large, heavily productive. Pods large, 4 1/2 to 5 inches long, 1 1/4 inches wide, 3/8 inch thick; usually contain 4 large, thick beans. Dry beans large, flat, greenish-white. Prices at top of this page.

CANGREEN BUSH LIMA. All America Selection, Honorable Mention 1943. Sixty-eight days to maturity. Cangreen is notable for the green color of fleshy part of the seed in the dry stage. Attractive for canning or for freezing. Very prolific . . . yielding a large crop of pods and seeds. Pkt. 15c; 1/2 lb. 40c; lb. 65c.



DETROIT DARK RED

BEETS

Special prices to market gardeners. Send your list to us for prices.

CULTURE. Well enriched, light soil is best adapted for the culture of beets. Sow in drills 1 foot apart and cover half inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. Use thinnings for greens if desired. For early crop, sow as soon as the ground can be worked, and continue for succession until the first of July. Liberal manuring should be done for Mangels and Sugar Beets. They should stand 10 to 12 inches apart in the rows.

EARLY BLOOD TURNIP. A medium early variety for home and market garden use. Matures in 65 to 70 days from seed. Tops medium, but somewhat coarse. Roots top-shaped; dark red. Flesh bright red with zones of lighter shade. Pkt. 10c, oz. 30c; 1/4 lb. 90c, postpaid.

DETROIT DARK RED. Matures in 52 to 55 days. The standard of excellence in table beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap-root; very dark, blood-red. Interior very uniform in color, the zones so inconspicuous that the flesh seems to be one solid ball of deep blood-red meat; remains tender and of highest quality until roots are full grown. Pkt. 10c; oz. 35c; 1/4 lb. \$1.05. Postpaid.

SWISS CHARD (Sea Kale). Large Ribbed White. The leaves are broad, somewhat waved, but smooth, and of a medium light yellowish-green. The stalks are broad and flattened, but tender and succulent. Pkt. 10c; oz. 30c; 1/4 lb. 90c. Postpaid.

RHUBARB CHARD. A new Swiss Chard that looks like rhubarb. The leaf stalks are bright, translucent, crimson; the rich color extends out through the veins into the dark green, heavily crumpled leaves. Easily grown; thrives everywhere. You will enjoy the different, tasty, delicious flavor of Rhubarb Chard. Very decorative in the flower garden. Pkt. 15c.

VEGETABLE SEEDS

MANGEL-WURZELS

GIANT HALF SUGAR MANGEL. Roots long and ovoid, grayish-white with light rose-colored shoulder; flesh white, rich in sugar. An immense yielder. Oz. 25c; 1/4 lb. 75c.

MAMMOTH LONG RED. Superior to strains offered previously. Roots large, long spindle-shape, straight, and thick; grows 1/3 to 1/2 out of ground; light red; flesh white tinged rose. Heavy yielding. Oz. 25c; 1/4 lb. 75c.

CAULIFLOWER

CULTURE. Cauliflower succeeds well in any soil that will grow good cabbage, but prefers a well enriched soil of loamy character. Sow seed early in February and March in hotbed, transplanting later to cold frame and thence to open ground.

EARLY SNOWBALL. This is the most popular for home garden and market. Produces a good crop and a sure header. Pkt. 15c. Postpaid.



EARLY JERSEY WAKEFIELD

CABBAGE

Finest Early Sorts

COPENHAGEN MARKET. Matures in 66 days. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm; become 6 to 7 inches in diameter; weight 3 1/2 to 4 pounds. Interior clear white and of excellent quality. Pkt. 10c; oz. 75c.

EARLY JERSEY WAKEFIELD. Matures in 62 days. Extremely early variety very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem is short. Heads firm and conical, usually 7 inches long, 5 inches thick near base; weight 2 to 2 1/4 pounds. Pkt. 10c; oz. 75c.

EARLY DWARF FLAT DUTCH. Matures in 71 days. Excellent for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep and weigh 4 1/2 to 5 pounds; firm and of high quality. Pkt. 10c; oz. 75c.

GOLDEN ACRE CABBAGE. Matures in 60 to 64 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weight 3 pounds. This is similar to Copenhagen Market but is several days earlier, and the heads are smaller. It is as early as Early Jersey Wakefield. Because of the absence of large surplus outleaves, Golden Acre can be planted closer in the row and the rows nearer, meaning more heads per acre. Pkt. 10c; oz. 75c.

Late Sorts

DANISH BALLHEAD or HOLLANDER (short stemmed strain). Matures in 90 to 100 days. The best late cabbage. Plants are medium sized with short stem. Heads large; flattened globe-shape; become 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid, of excellent quality, and keep perfectly in storage until late spring. Pkt. 10c; oz. 90c.

GIANT LATE FLAT DUTCH. Matures in 105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep; and weigh 12 to 14 pounds or more; firm and of good quality. Pkt. 10c; oz. 90c.

BRUSSELS SPROUTS

DWARF IMPROVED. A carefully grown strain; very hardy and giving compact, round sprouts of large size and good quality. Pkt. 15c.

BROCCOLI

CULTURE. Plant in open ground in May and June, transplanting later when plants are of sufficient strength and size to place in field. Culture same as for Cabbage or Cauliflower.

ST. VALENTINES. Fine quality, immense header; ready for market early. Heads remain in good condition longer than most varieties. Pkt. 15c.

ITALIAN or SPROUTING. The standard variety of sprouting broccoli. Grown for home garden, for market and recently in large quantities for freezing. Plants very large and vigorous, reaching 2 1/2 to 3 ft. under good conditions with central head 5 to 6 in. in diameter. Pkt. 10c.

CARROTS

CULTURE. Carrot seed can be sown early and late in Western Washington. As soon as the ground can be worked in February carrots may be sown. They like a well cultivated and loamy soil. Use fertilizer liberally. Sow in rows (table varieties) 16 to 18 inches apart, and for field culture sow in drills 18 to 24 inches apart. Cover one-half to an inch deep and firm soil well over seed.

TENDERSWEET or IMPROVED IMPERATOR. This carrot grows to a length of 6 to 7 in. with a shoulder diameter of 1 1/4 to 1 1/2 inches and is a deep orange color. It has smooth crown; does not have undesirable side shoots; has a fine texture and is very sweet. In all respects it is very attractive for shipping. An ideal bunching carrot. Pkt. 10c; oz. 45c; 1/4 lb. \$1.35.

DANVER'S HALF LONG. The roots are a rich dark orange color and by reason of its symmetrical shape, which is long and pointed, makes an excellent bunching variety. It has proved over a period of years to be the most popular carrot. Pkt. 10c; 1 oz. 45c; 1/4 lb. \$1.35.



CARROT

VEGETABLE SEEDS

RED CORED CHANTENAY. A very fine red cored carrot with uniformity and appealing color. Smooth symmetrical shape combined with just the right size make it a good market or home garden carrot. Roots 5½-6 in. long; 2¼ in. thick at shoulder, tapered, stumprooted. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

NANTES CORELESS CARROT. Matures in 68 days. One of the best for home garden and early market. Tops small. Roots bright orange; 6 to 7 inches long, 1¼ inches thick; cylindrical; stumprooted. Flesh bright orange, of highest quality; core inconspicuous. Undoubtedly one of the best carrots grown. Not a tapering variety. Fine for bunching. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

SWEET CORN

ACCLIMATED SEED

Prices postpaid (Unless otherwise noted).

Pkt. 10c; ½ lb. 30c; lb. 50c.

HYBRID GOLDEN MARKET. Here's a new hybrid variety that's a dandy either for the market gardener or the home garden. Hybrid Golden Market is as early as Golden Early Market with larger ears and yields 50% more marketable ears. Better worm resistance; two weeks earlier than Golden Cross Bantam. Stalks grow to a height of only about 4 feet. Ears covered with a heavy husk. Market gardeners everywhere have found Hybrid Golden Market a profitable early crop to be followed by Golden Cross Bantam for the later market. Pkt. 15c; ½ lb. 40c; lb. 70c. Write for quantity prices.

GOLDEN CROSS BANTAM HYBRID. While this original hybrid variety still leads the group in yield per acre, new varieties have been developed that mature earlier at the expense of production. We still strongly recommend Golden Cross Bantam, believing it to be as good as one would want for the home garden and for maximum production of ears. However, if as a market gardener, you are out after the earliest production and want to get on the market with sweet corn before your neighbor, then we suggest that you plant Hybrid Golden Market, listed above. Golden Cross Bantam matures in about 90 days, yields double that of Golden Bantam; twelve rows to the ear. In trial plantings it yielded 20,000 ears to the acre. A trifle lighter in color than Golden Bantam. Pkt. 15c; ½ lb. 40c; lb. 75c.

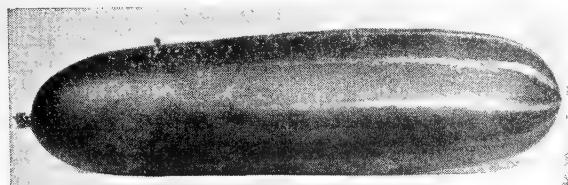
GOLDEN EARLY MARKET. One of the best extra early yellow varieties for home and market garden. Ears have strong husks; 8 to 12 rowed. Kernels golden-yellow, medium, tender, sweet and of good flavor. Very prolific for so early a variety. Matures in 75 days from planting which is 5 days earlier than Golden Bantam. Prices at top of page.

GOLDEN BANTAM. The best known and most favorably known of all the yellow varieties. Stalks often have 2 ears. Ears 8 rowed; kernels broad, with tender hull, sweet, and of exceptionally fine flavor. Used widely for home gardens, by truckers and for canning. Matures in 77 days. All our seed sweet corn is northern grown, acclimated seed. Prices at top of page.

POP CORN

ROBUST HULLESS. Most profitable and popular; short ears, white pointed kernels. Pkt. 10c; ½ lb. 20c; lb. 35c.

GOLDEN PEARL YELLOW. A giant yellow corn. Pops into mammoth creamy yellow, tender, fluffy kernels. Pkt. 15c; ½ lb. 30c; lb. 50c.



CUCUMBER, STRAIGHT 8

CUCUMBERS

CULTURE. Reasonably good soil that is fully exposed to the sun will raise a good crop of Cucumbers. Every family should be supplied from its home garden, since the fruit is so much better when gathered fresh from the vines as desired for use than it is in the more or less wilted condition in which it is found on the market. Cucumbers are close relatives of melons but mature in about 60 days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight.

IMPROVED LONG GREEN. Matures in 72 days. The most popular and one of the best for the home garden; particularly desirable for slicing. Fruits rich dark green; black spined; 12 inches long; 2¼ to 2¾ inches thick; straight; cylindrical; with few seeds. Carry a distinctive flavor, make excellent pickles, and when yellow and ripe the best sweet pickles. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

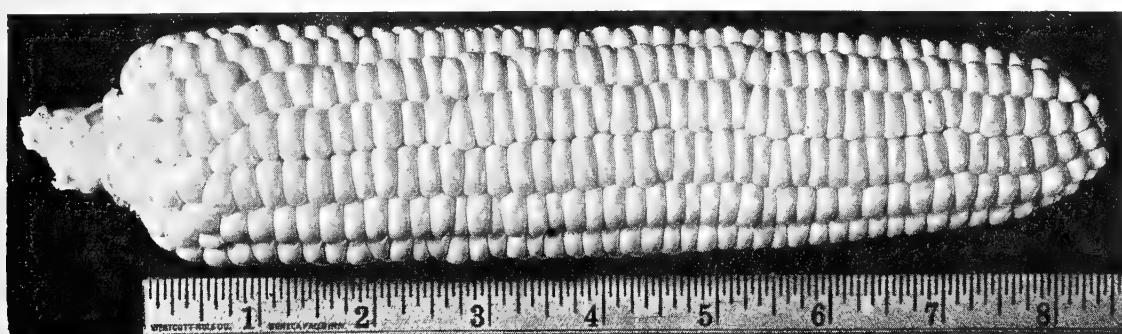
COLORADO or A & C. Matures in 68 days from seed. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Very few seeds. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

EARLY WHITE SPINE. Matures in 60 days. The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 inches long; 2½ inches thick; slightly tapered; blunt. Pkt. 5c; oz. 45c; ¼ lb. \$1.35.

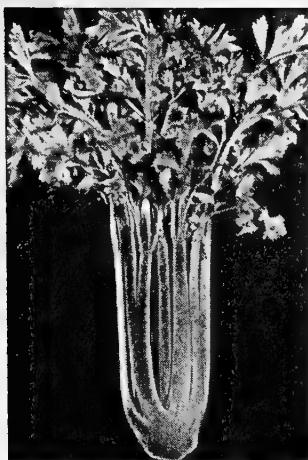
CHICAGO PICKLING. Most widely used of pickling varieties. Uniform and attractive; also good for slicing. Fruits medium green, square ended; very prolific. Pkt. 10c; oz. 35c; ¼ lb. \$1.05.

LEMON CUCUMBER. Matures in 65 days. Fine for preserves. Yellow in color, fruits round. Fine for salads. Every garden should contain a few hills of Lemon Cucumber. Pkt. 15c; oz. 70c.

STRAIGHT-8. This outstanding new variety produces symmetrical, cylindrical fruits about 8 inches long and 1½ inches in diameter. The fruits are well rounded at the ends and when in condition for use are deep green and free from objectionable striping or tipping. Ideal for shipping or for home or market garden. Pkt. 10c; oz. 65c; ¼ lb. \$1.95.



VEGETABLE SEEDS



CELERY, UTAH

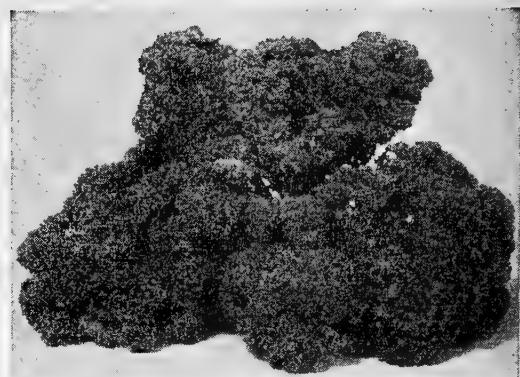
CELERY

UTAH. A very desirable green type early maturing celery. Becoming very popular
Pkt. 15c, postpaid.

KALE

1000 HEADED or COW KALE. Frequently attains a growth of 6 to 8 feet and produces many of the smooth leaves. Largely used for feeding stock and poultry. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.05.

DWARF CURLED SCOTCH. Long plume-like leaves with edges finely cut. Pkt. 10c; oz. 50c.



KALE, DWARF SCOTCH

LETTUCE

Prices Postpaid.



LETTUCE, NEW YORK TYPE

BIBB LETTUCE. Matures 57 days from seeding, rather small heads used as forcing lettuce in the south. Shipped to northern hotels where it has a reputation for its excellent quality. Leaves smooth, dark green, heart butter yellow. Excellent for the home garden. Very crisp and tasty. Pkt. 15c; oz. 70c; $\frac{1}{4}$ lb. \$2.10.

IMPERIAL NO. 847. Best suited for summer crops. A very popular variety among market gardeners. Good shipper. Resistant to brown blight. Crisp heading plants of medium size. Leaves smooth, thick, medium light green. Heads round, well folded, firm with low seed stalk. Pkt. 10c; oz. 70c; $\frac{1}{4}$ lb. \$2.10.

NEW YORK NO. 515. Similar in habit and head formation to New York No. 12, but color is brighter green and the head somewhat better formed and smoother. Sure-heading and resists tip-burn in warm weather as well as any firm heading lettuce. At present used principally for summer lettuce on land not infected with brown blight, but with distinct promise in all sections of the country for spring head lettuce. Not well adapted to fall harvest due to tendency to bolt under unfavorable conditions. Pkt. 10c; oz. 65c; $\frac{1}{4}$ lb. \$1.95. Write for quantity price.

GRAND RAPIDS. One of the most popular loose leaved varieties. Excellent for early planting outside, and for greenhouse forcing. Plants erect and compact; leaves light green, broad, wavy, curly and heavily fringed at the edges. Handsome sort; very tender and sweet when grown under glass. Early maturing. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.20.

IMPERIAL NO. 152. This variety is an improved Los Angeles type. Best suited for Fall and late Summer planting. Very sure heading and can be grown under a wide range of conditions. Resistant to brown blight. Very firm, round exposed heads. Pkt. 10c; oz. 70c; $\frac{1}{4}$ lb. \$2.10.



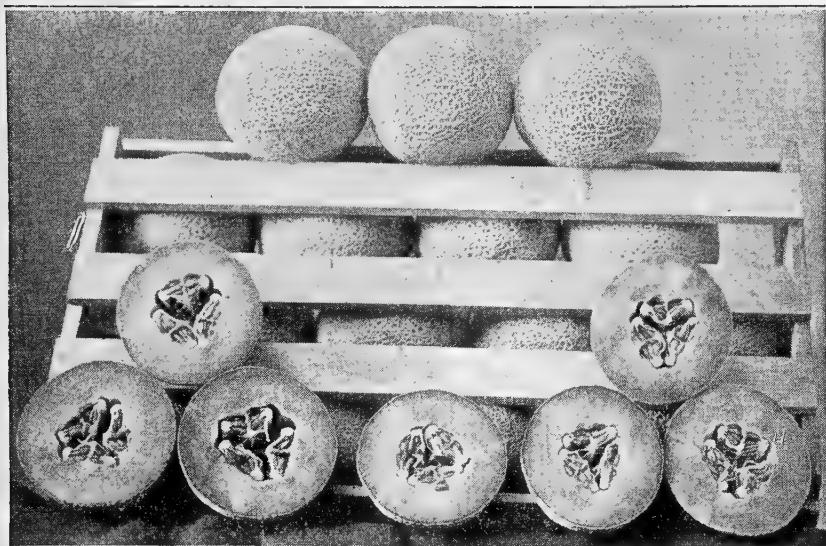
KOHL RABI

KOHL RABI

Hardy and easy of culture. Grown from plants the same as cabbage. The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and combines the flavor of both. It should be eaten before growth ceases.

EARLY WHITE VIENNA. Very early; bulb white; best table variety. Pkt. 10c; oz. 70c. Postpaid.

VEGETABLE SEEDS



MUSKMELONS, HALES BEST

MUSKMELON

CULTURE. Plant in hills 4 to 6 feet apart each way after danger of frost is past and ground is warm; enrich well with well-rotted manure and plant seeds just under surface, putting ten or twelve seeds in a hill, covering about an inch deep with fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation until plants make runners too long for practical work. Rich earth is far preferable to manure, and if manure is used be sure it is well rotted and well mixed with the soil.

BENDER'S SURPRISE. A very delicious muskmelon. Earlier than Hales Best and Hearts of Gold. Delicious salmon-fleshed melon, very popular. Fruits are medium to large; oval; distinctly ribbed and covered with slight patches of netting; skin light yellow when ripe. You'll like Bender's Surprise as a home-garden or market melon. Pkt. 10c; oz. 60c; 1/4 lb. \$1.80.

HALES BEST. An outstanding early shipping cantaloupe. Planted extensively in all melon growing sections, for early shipping. Fruits oval; inconspicuous ribbing with heavy netting. Flesh extremely thick, salmon-orange, sweet and of fine quality. An excellent keeper and a good shipper. Seed cavity very small. Earlier than Superfecto, matures in 85 to 90 days. Pkt. 10c; oz. 45c; 1/4 lb. \$1.35. Postpaid.

HEARTS OF GOLD. Still a dominating favorite. Quality extremely fine. Well netted except a narrow stripe between shallow ribs. Holds its color well. Very firm and a good shipper. Deep golden flesh is of the finest quality. Sweet, spicy and distinctly flavored. Hearts of Gold, because of its outstanding flavor will always remain a favorite. No garden is complete without it. Matures in 92 days. Pkt. 10c; oz. 45c; 1/4 lb. \$1.35. Postpaid.

ROCKYFORD. Everyone knows this melon. It is one of the old standbys. Pkt. 10c; oz. 45c; 1/4 lb. \$1.35. Postpaid.

Prices on all vegetable seeds postpaid unless otherwise marked.



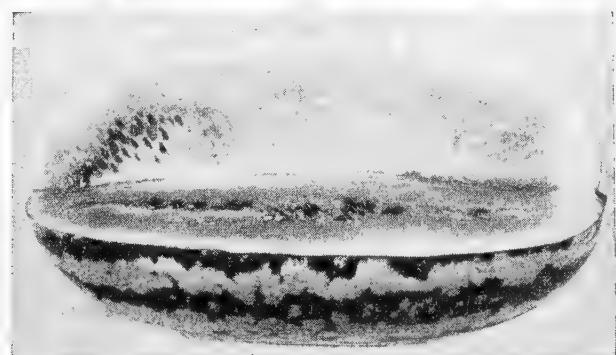
MUSKMELON, HEARTS OF GOLD

WATERMELONS

STRIPED KLONDIKE. Right for the present this variety is the most popular watermelon in the Southern Oregon district, both for home market and shipping. The flavor is fine, texture unexcelled, a good shipper and very attractive with its mottled skin. Thin rind with small brown seeds. Matures about the same time as Brown Seeded Klondike; in about 85 days. We suggest that you plant this variety for main crop. Pkt. 10c; oz. 45c; 1/4 lb. \$1.35.

MONARCH BROWN SEEDED KLONDIKE. (Early maturing strain.) Flesh deep red, very sweet, flavor of the best, rind thin, dark green and tough enough to allow shipping to nearby market. Stem end square, center full, tapering slightly to the blossom end. A favorite on the Pacific Coast. One of the best flavored melons we have ever offered. Usually weighs about 25 pounds. We offer the earliest maturing strain. You can buy cheaper seed, but never better. Pkt. 10c; oz. 45c; 1/4 lb. \$1.35. Postpaid.

KLONDIKE R7 (Wilt resistant). Developed by Dr. D. R. Porter of the University of California. Resistant to fusarium wilt. Quite similar to Brown Seeded Klondike Strain, but when young the melons show a distinct bloom and at maturity they are smoother and show less furrowing. Pkt. 10c; oz. 50c; 1/4 lb. \$1.50.



WATERMELON, STRIPED KLONDIKE

VEGETABLE SEEDS

**ORDER EARLY TO
AVOID DELAY**

OKRA

PERKINS MAMMOTH LONG-POD. Also known as Long Green. Slender, slightly corrugated, dark green, straight, pointed pods, 7 in. long. The leading variety. Pkt. 10c; oz. 25c.

CASABAS

Prices Postpaid.

GOLDEN BEAUTY. Fruits are nearly globular, of bright golden yellow color. Flesh is white, very thick and juicy. Pkt. 10c; oz. 50c; 1/4 lb. \$1.50.

PERSIAN (Small Variety). Matures in 115 days. Requires long season to attain perfection; widely grown for market. Fruits globular, skin very green; netted. Flesh thick; bright orange; of distinct flavor when melons are fully ripe. Pkt. 10c; oz. 60c; lb. \$1.80.

MUSTARD

The following varieties make the finest greens when used alone or if combined with cress furnishes a delicious salad. Sow any time in the spring, in rows, and thin out as necessary.

SOUTHERN GIANT CURLED. This is a giant curled leaf of fine quality. Pkt. 10c; oz. 20c.



MUSTARD

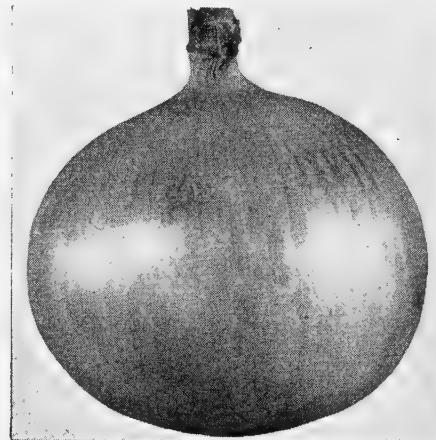
ONION PLANTS

We can supply Crystal Wax or Sweet Spanish Onion plants after March 15th. Will make either young green onions or can be left to mature for dry onions. Prices postpaid. 1 bundle of 100 plants (count is approximate) 40c, 5 bundles \$1.85, 10 bundles \$3.50.

ONIONS

CALIFORNIA EARLY RED GLOBE. Very early. Color quite red, bright outer covering. Very attractive, good keeper, mild and productive. One of the leading varieties on the California market. Globe shaped. Pkt. 10c; oz. \$1.10; 1/4 lb. \$3.30.

SWEET SPANISH (Utah Strain). This strain of Sweet Spanish has been bred up to keeping quality perfection. Originally the Spanish strain of this type did not have the keeping quality, hence seed breeders set to work to include the necessary keeping propensities. Such will be found in our Sweet Spanish. This is a very sweet and early onion. Most of you know it for its extreme high characteristics. Early, mild, excellent keeper, heavy yielder. Increasingly popular with the market and home gardener. Large, yellow, globular, with the market and home gardener. Large, yellow, globular, flesh white, very sweet and of pleasing flavor. Desirable for shipping. Our seed comes from the most reliable source and you'll find ours. True-to-type stock. Pkt. 10c; oz. \$1.10; 1/4 lb. \$3.30, postpaid.



UTAH SWEET SPANISH

YELLOW GLOBE DANVERS. One of the most extensively used main crop yellow onions for the home garden. Here's what our grower says about our seed; "Our selection and breeding have developed a strain which has the early ripening habit and small neck of the original Danvers and yet is more globular and prolific than the parent type. The bulbs are medium to large sized, uniformly globe shaped and white fleshed, with a crispness and an excellent mild flavor. Highly recommended." Could you ask for more in an onion? Pkt. 10c; oz. 90c; 1/4 lb. \$2.65. Postpaid.

CRYSTAL WHITE WAX. A most attractive onion. An offspring of White Bermuda. Pure white in color, being waxy in appearance. Largely grown for the market but highly recommended to the home gardener. Pkt. 10c; oz. 90c; 1/4 lb. \$2.70. Postpaid.

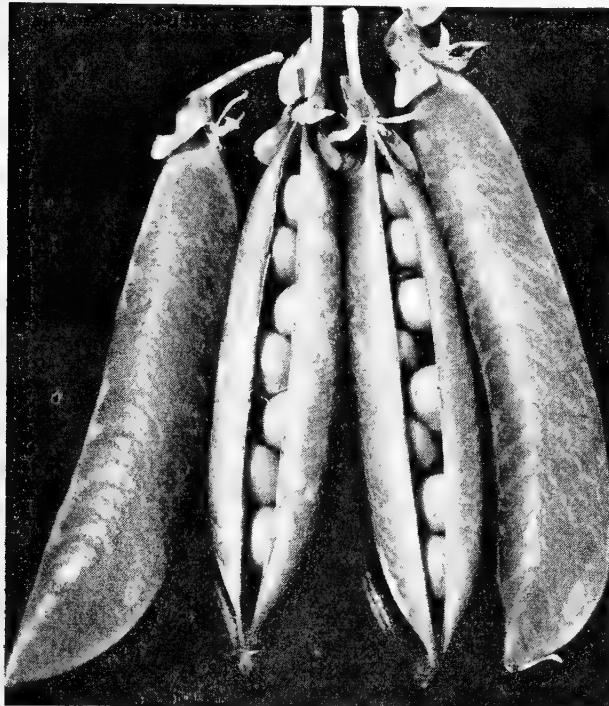
ONION SETS

For the earliest green onions use onion sets, planting them about 2 inches apart in the row. Dry onions can be grown from sets, but it will be found much less expensive if grown from seed. We can furnish Yellow Danvers sets at 50c per quart postpaid.

VEGETABLE SEEDS

PEAS

TALL TELEPHONE or ALDERMAN. Mid-season sort. Vines 4 to 4½ feet tall. Heavily loaded with very large, well formed pods, often 5 to 5½ inches long. Light yellowish-green and normally contain 8 to 10 very delicious, large peas. Pkt. 10c; ½ lb. 30c; lb. 50c.



PEAS

EARLY ALASKA (Wilt Resistant). An extremely early variety and the most widely grown pea for canning purposes. Also used by market gardeners where earliness is first consideration. Vines 33 inches tall, slender and light green in color. Very uniform at time of maturity. Pods borne singly, very plump, blunt end. Seeds small, round, medium green with bluish cast. This strain has now replaced the original type of Alaska as it has all the good qualities of the parent stock and in addition is fully resistant to Fusarium wilt. Pkt. 10c; ½ lb. 30c; lb. 50c.

MORSE'S PROGRESS No. 9 (Wilt Resistant). Early and a selection of Laxton's Progress developed by Ferry-Morse and considered an improvement over the original strain. Vines very similar to Laxton's Progress but a trifle larger and more thrifty. Pods are slightly larger in both length and width and darker green. We recommend this variety where a large podded, early dwarf variety is wanted. Definitely resistant to Fusarium Wilt. Pkt. 10c; ½ lb. 30c; lb. 50c.

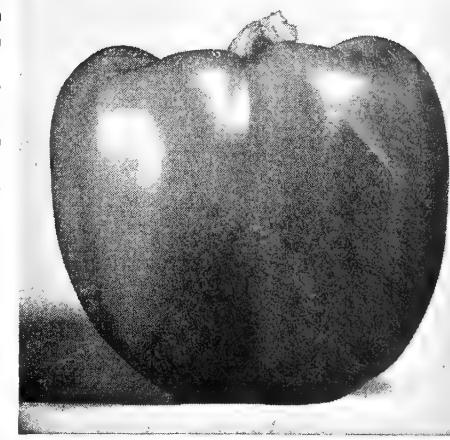
MORSE'S MARKET (Wilt Resistant). A mid-season variety. A new variety of fine quality. Slightly earlier than most mid-season varieties. Outstanding because of its ability to produce heavy and consistent crops of fine clean large pods. Fully resistant to Fusarium Wilt and has some resistance to Mosaic. Resistant to some extent from aphid attack. Vines three feet tall, sturdy and vigorous. Pods very large, frequently 5½ inches long, pointed, slightly curved, medium dark green and usually contain 9 to 11 peas of excellent quality. Pkt. 10c; ½ lb. 30c; lb. 50c.

DWARF TELEPHONE (Wilt Resistant). A mid-season variety. Very satisfactory for home, market garden and shipping. Vines 24 inches tall, thrifty; medium green. Pods light green; 4½ inches long, ¾ inch wide; plump; tapered at end. Seeds large, wrinkled, green. Recently improved by the grower. Pkt. 10c; ½ lb. 30c; lb. 50c.

PEPPERS

CALIFORNIA SWEET WONDER

WONDER. Matures in 72 days; large green fruits available practically as early as Ruby King. This is the standard of excellence in sweet peppers; much used, particularly by market gardeners and shippers. Plant thrifty, upright, heavily productive over a long season. Fruit handsome, very large, very smooth and regular, commonly 4½ ins. long and 3½ to 4 ins. through; deep green, becoming bright crimson; flesh extremely thick and firm, sweet throughout and of distinct flavor. Pkt. 10c; oz. \$1.35. Postpaid.



LONG RED CAYENNE. Matures in 70 days. A leading sort for use in pickling and for drying. Very pungent, fruits 5 inches long, ½ inch thick, tapered. Pkt. 10c; oz. \$1.25. Postpaid.

PUMPKINS

CULTURE. Enormous pumpkins may be grown on the fertile soils of Southern Oregon and Northern California. Plant the seed in the open ground when it is well warmed and after danger from frost is past. Plant in hills about 8 feet apart; 3 to 4 pounds of seed will plant an acre and 8 ounces will plant 100 hills. Do not plant near squashes, as they are likely to mix.

CONNECTICUT FIELD. The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 inches long, 12 inches in diameter and weigh 20 lbs., sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. Pkt. 10c; oz. 35c; ¼ lb. \$1.05. Postpaid.

NEW ENGLAND OR SWEET SUGAR. A handsome and productive small pumpkin; skin orange, flesh yellow, fine grained, very sweet. This is the famous New England Pie Pumpkin. Pkt. 10c oz. 35c; ¼ lb. \$1.05. Postpaid.



PUMPKIN

VEGETABLE SEEDS



PARSNIPS

ONE OUNCE of seed will sow 200 feet of drill; 5 pounds will plant an acre. This crop requires a very rich soil. Sow in drills 18 inches apart and one-half inch deep and thin to 8 inches in the row.

LONG SMOOTH or HOLLOW CROWN. A standard table sort; the best and most productive for field culture. Pkt. 10c; oz. 25c; 1/4 lb. 75c. Postpaid.

RADISHES

CRIMSON GIANT. Matures in 29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip rooted radishes; commonly attain diameter of 1 1/2 inches before becoming pithy; of unexcelled quality. Pkt. 10c; oz. 25c; 1/4 lb. 75c. Postpaid.

EARLY SCARLET TURNIP. Matures in 23 days. Very early sort, superior and equally valuable for out-of-door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe shape; 1 1/4 inches long when ideal for use; with slender well defined tap root; uniform rich bright scarlet; flesh white, crisp and of splendid quality. Pkt. 10c; oz. 25c; 1/4 lb. 75c. Postpaid.

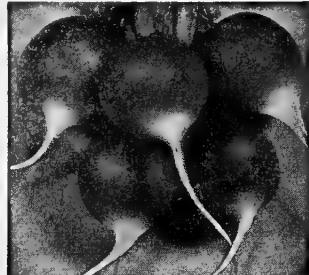
EARLY SCARLET TURNIP (White Tipped). Matures in 25 days. Handsome, popular variety of outstanding quality; much used in home and market gardens. Tops small, roots deep turnip shape, almost globular, with slender tap root; bright scarlet with well defined white area about the tip; remain crisp and of splendid quality until 1 1/4 inches in diameter or greater. Pkt. 10c; oz. 25c; 1/4 lb. 75c. Postpaid.

LONG SCARLET. Matures in 26 days. Standard home and market garden sort. Tops small. Roots long, tapered; become 4-5 inches long and 3/8 inch thick at shoulder; bright carmine red. Pkt. 10c; oz. 25c; 1/4 lb. 75c. Postpaid.

LONG WHITE ICICLE. Matures in 27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small, roots long, tapered; very white; brittle as ice; of splendid quality until 5 to 6 inches long; mild and of splendid flavor. Pkt. 10c; oz. 25c; 1/4 lb. 75c. Postpaid.



See Page 36.



RUTABAGAS

AMERICAN PURPLE TOP. One of the best and most popular varieties, with yellow flesh. Good for stock feeding. Pkt. 10c; oz 25c; 1/4 lb. 75c. Postpaid.

SPINACH

CULTURE. Of easy culture and very profitable. Spinach may be planted in the fall or early spring. In our mild climate winter sowing is practical with good results. Sow 8 pounds per acre as a field crop or 1 ounce to 100 feet in the home garden. The richer the soil the larger and better the leaves. Use a top dressing of Sulphate of Ammonia after plants have started to grow.

BLOOMSDALE SAVOY. Matures in 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 inches and spread 12 to 15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. Pkt. 10c; oz. 20c; 1/4 lb. 60c.

GIANT THICK LEAVED. Matures in 43 days. Decidedly the best of the round seeded thick leaved sorts. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick broad arrow-shaped with rounded tip. Easy to wash free of sediment. Pkt. 10c; oz. 20c; 1/4 lb. 60c. Postpaid.



SALSIFY (Oyster Plant)

MAMMOTH SANDWICH ISLAND. Great improvement over the ordinary type, producing long smooth, thick roots of an even straight growth. Flesh almost white. Pkt. 15c; oz. \$1.20.

TOMATO BLOOM-SET AT RATIONAL PRICES

FIX "sets" blossoms as they appear, even the fragile early blooms. This means your tomato crop will be:

- 20% to 30% greater
- Earlier, larger, firmer
- More flavorful
- Seedless, more edible

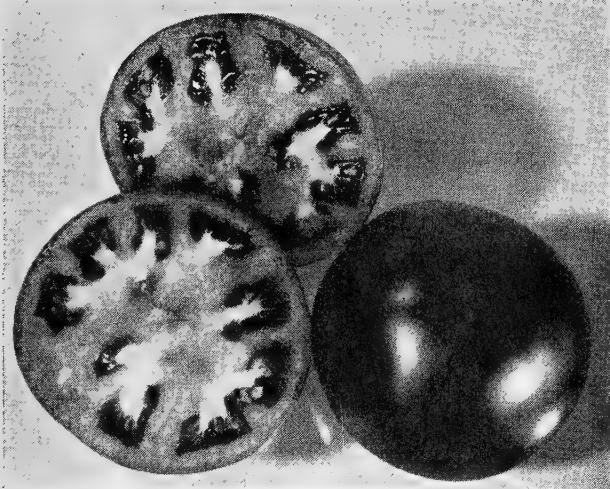
Spray FIX early and late, as plants continue to flower. May also be used for cucumbers, melons, and squash. FIX sets holly and other berries.



\$1 for 100 tablets—
makes 100 QUARTS
25c for 20 tablets—
makes 20 QUARTS
Also larger sizes.

VEGETABLE SEEDS

TOMATOES



TOMATOES, BONNY BEST

VICTOR. Introduced by Michigan State College. All American Bronze Medal Winner. In season with Earliana but matures a larger proportion of its fruit during the first few weeks of picking. Vine is short branching and foliage rather sparse. Fruits about 3 inches in diameter, globe-shaped or slightly flattened, smooth, and ripen to full deep scarlet. Recommended as a first early market variety and for the home garden. Pkt. 20c; oz. \$1.50., postpaid.

BONNEY BEST. One of the very best early varieties for table and canning. Very full flavored and slightly acid. Vine medium, not very heavy growing. Fruits medium sized, apple shaped, smooth; solid, bright scarlet in color and of exceptional quality. Pkt. 10c; oz. \$1.25. Postpaid.

EARLIANA (Special Market Gardener Strain). A first early sort, widely used for home gardens and by truckers. Ours is one of the several excellent strains of this important variety which has been bred for thicker, smoother fruits. Vine is open, spreading, medium small. Fruits flattened, medium sized, firm, bright, red, quite smooth. Pkt. 10c; oz. \$1.65. Postpaid.

CHALK'S EARLY JEWEL. A second early sort for home gardeners and truckers, also good for canning. Plant medium, with open growth; prolific. Fruits medium large, smooth, scarlet, flattened globe-shaped. Pkt. 10c; oz. \$1.65. Postpaid.

Small Fruited Varieties

YELLOW PEAR. Pkt. 15c, postpaid.

YELLOW PLUM. Pkt. 15c, postpaid.

HUSK TOMATO or GROUND CHERRY. Small, round, yellow fruits about half an inch in diameter, enclosed in a thin husk. Very deliciously sweet. Excellent for preserves. Pkt. 10c, postpaid.



SQUASH

ZUCCHINI
SQUASH

IMPROVED GREEN HUBBARD. Standard winter squash for home, market and shipping. Fruits medium large; commonly 9 to 10 inches through; globular, dark bronze green, moderately warty; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality. Pkt. 10c; oz. 40c; 1/4 lb. \$1.20. Postpaid.

BANANA or SWEET POTATO. An excellently flavored winter squash. Fruit commonly 18 to 24 inches long and about 7 inches in diameter. The skin is gray-blue and not so hard as that of the Hubbard, while the flesh is fine grained, deep yellow, dry, sweet and of prime quality. Good keeper. Pkt. 10c; oz. 40c; 1/4 lb. \$1.20. Postpaid.

TABLE QUEEN or DES MOINES. Very early; extremely prolific; one of the most popular for home and market garden and shipping. Fruits pointed acorn shape; 5 1/2 inches long and 4 inches through; uniformly ridged; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Vines yield prolifically and fruit matures in about 100 days. Fine for baking and serving in halves. Pkt. 10c oz. 40c; 1/4 lb. \$1.20. Postpaid.

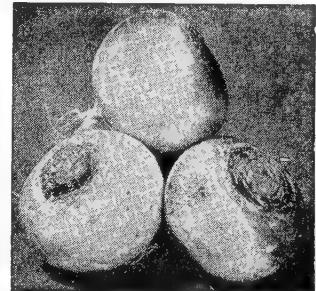
YELLOW SUMMER STRAIGHTNECK. Well known. Fruit long, skin very much warty; bright golden yellow. Pkt. 10c; oz. 35c; 1/4 lb. \$1.05.

WHITE BUSH SCALLOP. A very early variety with flat, white scalloped squashes 4 to 6 inches in diameter. Vine bushy in habit and dwarf. Pkt. 10c; oz. 35c; 1/4 lb. \$1.05. 1/4 lb. \$1.05.

ZUCCHINI (Italian Marrow). This is a new dark skinned type more desirable than former types. Matures in 65 days. Straight, almost cylindrical. Grows to a length of 18 inches and 4 inches in diameter. Fruits smooth, rich dark green with no striping or mottling. The favorite summer squash. Pkt. 10c; oz. 40c; 1/4 lb. \$1.20.

TURNIPS

ONE OUNCE will seed 100 feet; 2 pounds will sow an acre. Turnips do best in highly enriched soil of light, sandy texture. Sow in drills from 12 to 15 inches and thin early to 8 or 9 inches apart.



TURNIPS, PURPLE TOP STRAP LEAF

PURPLE TOP STRAP LEAF. Ready for the table in 45 days. Very important home and market garden sort. Tops small, erect, compact. Roots flat, become 5 inches in diameter and half as thick; purplish red above and white below; flesh clear white, fine grained, mild. Pkt. 10c; oz. 20c; 1/4 lb. 60c. Postpaid.

PURPLE TOP WHITE GLOBE. Matures to table size in 55 days. Full size in 70 days. The standard home, market garden and shipping sort for table use. Tops medium large, compact, strap leaved. Roots globular, smooth; bright purplish-red above, white below; become 5 to 6 inches in diameter; flesh white, firm; fine grained and tender when young. Pkt. 10c; oz. 20c; 1/4 lb. 60c. Postpaid.

WHITE EGG. Ready for the table in 55 days. Tops erect, fairly compact; cut-leaved. Roots white, smooth, grown one-half above ground, egg shaped, 3 inches long; flesh white, firm grained, sweet and tender. Pkt. 10c; oz. 20c; 1/4 lb. 60c. Postpaid.

Do as successful market growers do — Place patented Germaco HOT-KAPS — strong little hothouses — over seeds (or over plants when transplanting). Completely protect from destructive frosts, storms, insects — maintain perfect mulch. Increase yield from 18% to 51%, ripen plants three weeks earlier.

Quick, easy to set, instructions on package. 25 Hotkaps, 60c. 250 for \$4.15. Setter free. Beat everyone with first vegetables, flowers. Buy Germaco HOTKAPS from us today. **MARKET GROWERS:** GERMACO HOTKAPS help you have sure crops, highest out-of-season prices, bigger profits. 1000 for \$12.00.



Send for FREE FOLDER



FIELD GRASS SEEDS

. . . Write for Quantity Prices



RED TOP GRASS

and is ideal for hay. When well established it spreads and will supplant other grasses. Fine for hillsides, will prevent erosion. Matures at the same time as Meadow Fescue, Orchard Grass, Tall Oats Grass and Timothy. Lb. 55c; 10 lbs. \$5.00, postpaid.

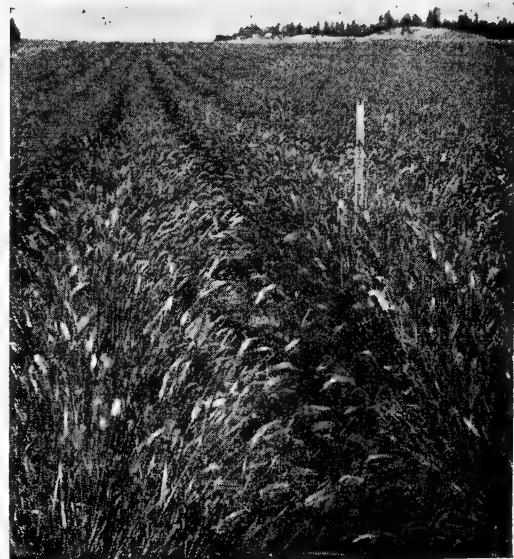
TALL MEADOW OAT GRASS (Evergreen Grass). This grass seems to make more leafage and grazing, a larger yield of hay and to keep green longer, both during the winter and summer, than most grasses. It is especially adapted to heavy soils. It withstands heat and drought and the cold of winter; starts very early in the spring and continues late in the fall. For hay it can be cut twice in a season, frequently producing doubly as much hay as timothy. Ripens at the same time as Orchard Grass and Red or Alsike Clover. Thrives on uplands but gives excellent results on nearly all soils and better than most grasses on light and sandy soils. When sown alone, sow 25 to 30 pounds to the acre either in spring or fall. Lb. \$1.00; 10 lbs. \$9.00, postpaid.

TIMOTHY, the Most Extensively Grown Hay Grass. Sow 12 to 15 pounds per acre. For hay, timothy is the best known and most extensively grown of all grasses. A stand is easily established, it is inexpensive to sow, it starts quickly and yields its best crop the year after it is sown, but the following year's crop may be equally as heavy if liberally top-dressed with manure. The yield on good land frequently runs from 1½ to 3 tons per acre. Meadow Fescue or Kentucky Blue Grass, Red Top or Herds Grass and Ladino Clover all mature at the same time as Timothy, and are good grasses to sow with it for hay and pasture. A good mixture is 6 pounds Timothy, 5 pounds Red Top, 7 pounds Meadow Fescue and 4 pounds Ladino Clover. Sow this mixture at the rate of 20 pounds per acre. Price of Timothy is 30c per lb., 10 lbs. \$2.75, postpaid. Write for quantity prices.

REED CANARY GRASS. Reed Canary Grass is a coarse, tall growing (4-7 feet) plant with stout leafy stems. It grows in large bunches 2-3 feet in diameter and spreads underground by creeping root stalks. Although coarse, it is very palatable and sought after by all classes of livestock. It is one of the earliest grasses to begin growth in the spring and will withstand pasturing well if not grazed too closely continuously. It should produce satisfactorily in most sections with a moderate moisture supply, but is commonly used in waterlogged conditions. It does not tolerate hot summer climates of the interior valleys. For dry, hot conditions we suggest that you plant the Superior Strain of Reed Canary Grass listed on the following page. Lb. \$1.30; 10 lbs. \$12.00, postpaid. Write for quantity prices.

ALTA FESCUE (Tall Fescue). Tall Fescue is rapidly gaining in popularity and has supplanted Meadow Fescue in many areas. It is somewhat coarser than Meadow Fescue, but is more drought-resistant, more productive, and more alkali-tolerant. Livestock find it fully as palatable. The growth period, and other characteristics are the same except that Meadow Fescue is probably preferable on wet lands. Lb. \$1.00; 10 lbs. \$9.00, postpaid. Write for quantity prices.

RED TOP (Herds Grass). Sow 12 to 15 pounds per acre. This is one of the most valuable and satisfactory grasses in all localities. Thrives on low ground, where water stands late in the season. Red Top should be included in all mixtures intended for permanent pastures or hay. It makes excellent pasture



REED CANARY GRASS

OREGON RYE GRASS. A rapid grower, very winter hardy, leaves and stems medium fine, stools heavily, has a bright green color. Excellent for pasture or for hay. Plant with Ladino Clover to prevent bloating. Sow 20 pounds per acre. Lb. 30c, 10 lbs. \$2.75, postpaid.

BROME GRASS. Will stand drought and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardiest growers and succeeds on our dry hillsides. Sow 35 pounds per acre. Lb. 60c; 10 lbs. \$5.50, postpaid.

APPROX. 70,000,000 LBS. OF AIR-NITROGEN
ABOVE EVERY ACRE. THIS IS AVAILABLE
FREE FOR SOIL AND CROP IMPROVEMENT IF YOU
**CONVERT LEGUME SEEDS
INTO FERTILIZER PLANTS**

Inoculating by with
NITRAGIN 1898

SINCE

ALFALFA RED CLOVER SWT. CLOVER COWPEAS PEAS VETCH A. W. PEAS SOYBEANS LESPEDEZA PEANUTS BEANS ALL. LEGUMES

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA	PEANUTS, LIMA BEANS, COW PEAS
Sweet, Bur, Hubam Clovers	
Size	Retail
1 bu. ea.	\$.50
2½ bu. ea.	1.00
CLOVERS	
Medium & Mammoth	
Red, Alsike, Crimson &	
White Clovers	
1 bu. ea.	\$.50
2½ bu. ea.	1.00
PEAS (All Varieties)	
VETCHES (All Varieties)	
100 lb. size (Inoculates up to 100 lbs.) ea.	\$.50
1200 lb. size ea....	5.70
(12-100 lb. size cans)	
BEANS—Navy, Pinto, Wax, String, Kidney, Gr. Northern	
1 bu. ea.	\$.35
LESPEDEZA Hulled or Unhulled	
100 lb. size (Inoculates up to 100 lbs. seed)	\$.50
GARDEN SIZE	
Garden Peas and Beans	
Sweet Peas, Lupines and Edible Soybeans	
Enough for 8 lbs. seed	
Retail Price 10c each.	

NITRAGIN—Oldest and Most Widely Used Inoculator in America

FIELD GRASS SEEDS (Continued)

ORCHARD GRASS. The greatest pasture and hay grass. A very vigorous grower and yields large crops of excellent and nutritious hay, as well as having special value as a pasture grass, furnishing good grazing from early spring till winter. It adapts itself to a variety of soils, provided they are well drained, but succeeds best on loamy uplands or moderately stiff soils, although it does quite well on soils that are inclined to be sandy. A mixture of 15 pounds of Orchard Grass, 12 pounds of Tall Meadow Oat Grass and 8 pounds of Red or Alsike Clover has proved very satisfactory, is recommended for hay and pasture. When sown alone, plant 30 to 35 pounds per acre. In a mixture as above, sow 20 pounds per acre. Lb. 55c; 10 lbs. \$5.00, postpaid. Write for quantity prices.

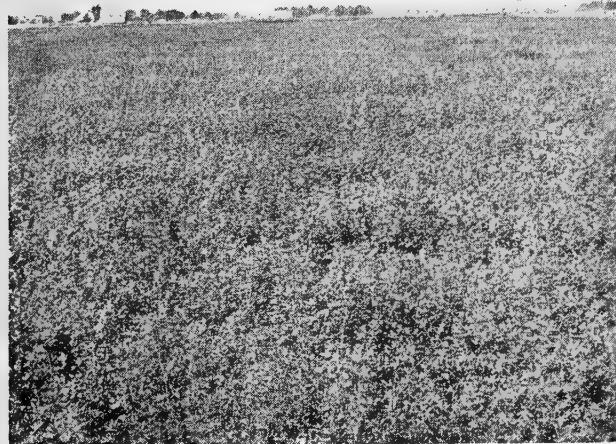
MONARCH MEADOW MIXTURE. This is a combination of grasses and clover, ideal for permanent pasture or for hay. Combined the following grasses and clover in perfect proportions: Eng. Rye Grass, Kentucky Blue Grass, Tall Fescue, Tall Oat Grass, Timothy, Alsike, Red and White Sweet Clover, and Orchard Grass. We have sold this blend for years and receive many compliments on the mixture. Plant Monarch Meadow Mixture for a real fine pasture. Lb. 55c; 10 lbs. \$5.00, postpaid. Write for quantity price.

ENGLISH RYE GRASS (Perennial). A quick grower and excellent for pasture or hay. Unlike Oregon Rye Grass, English Rye is a perennial which persists for years. It is a heavy yielder and of excellent quality as hay. English Rye Grass should be used in every pasture or meadow mixture. Postpaid, small lots price, lb. 45c; 10 lbs. \$4.00. Write for quantity price.

SUPERIOR REED CANARY GRASS. This grass is a selection made at Oregon Experiment Station from the common lowland type of Reed Canary Grass. It yields heavy forage crops on higher, better drained soils that get quite dry during summer months. It is perennial, is winter hardy. Starts early in the spring, has excellent seed producing habits. High palatability and nutritive values and matures uniformly for hay and seed. Postpaid, small lot price, \$1.25 per pound. Write for quantity price.

SUDAN GRASS. A wonderful quick-growing Summer Hay Grass. An annual with short fibrous roots that are killed by frost. Because of this characteristic, Sudan Grass will never become a pest as will Johnson Grass. Its greatest value is for hay, which is well liked by stock—the entire plant, leaves, stems and heads, is eaten. Sow 5 to 6 pounds to the acre in 2-foot rows; 20 to 25 pounds broadcast. By mail postpaid, lb. 35c; 5 lbs. \$1.50. Write for quantity prices.

ALFALFA and CLOVER SEEDS



CLOVER FIELD

CLOVERS

RED CLOVER. The standard clover for all purposes. Makes an excellent hay when mixed with timothy. Succeeds well on most any soil. Inoculate seed before planting, and you'll be sure to get a stand. Lb. 80c; 10 lbs. \$7.50, postpaid. Write for quantity prices.

ALSIKE CLOVER. This is a perennial adapted for hay or pasture. A valuable crop for bee pasture. Does well either on poor dry soils or in wet rich soil. Being finer, brighter and not so dusty. Alsike hay is preferred to Red Clover. Inoculate all clovers and be sure to get a stand. Lb. 80c; 10 lbs. \$7.50, postpaid. Write for quantity prices.

LADINO CLOVER

A Favorite Among the Clovers

LADINO CLOVER will pasture more cattle and hogs than any other clover with the possible exception of Strawberry Clover which is fast coming into importance as a clover pasture crop. Ladino is perennial, heavy producing and very palatable. It grows 12 to 18 inches tall. Ladino increases milk flow, improves soil, will thrive on shallow moist soils and is the first clover to awaken in the spring and the last plant to quit in the fall. Prepare a fine seed bed and sow the seed at the rate of 6 pounds per acre. Cover lightly with a brush harrow. If you use a sloping tooth harrow, set the teeth back to the limit to void covering too deeply. To prevent bloating include grasses such as Rye Grass, Orchard Grass or Fescue. Prices: Blue Tag, \$2.25 per lb.; Red Tag, \$2.15 per lb.; Pasture grade (contains Alsike Clover), \$1.65 per lb. Prices postpaid. Write for quantity prices.

WHITE BLOSSOM SWEET CLOVER. Sweet clover is one of the most important soil improving crops. Withstands adverse conditions of soil and weather better than alfalfa and red clover. Does not winterkill. Produces more on this land than alfalfa and red clover and is equal to alfalfa and red clover in nutritive value. Sow it on lands too poor, too worn out, too sandy for other crops and bring the land into condition to produce profitable crops. Make the seedbed fine and compact and cover the seed lightly. Inoculate with Nitragin, listed below. Plant 20 pounds to the acre from February to March. We offer only scarified, hulled, fancy seed, free of dodder, of high purity and germination. Prices postpaid: Lb. 45c; 10 lbs. \$4.00. Write for quantity prices.

CRIMSON CLOVER. Very productive and greedily eaten by cattle. An annual clover. Remains green longer than Red Clover and is excellent for bee food. Largely used for green manuring. Sown in August it may be plowed under the following June. Sow 15 lbs. per acre. Per lb. 45c; 10 lbs. \$4.00, postpaid. Write for quantity prices.

ALFALFA AND CLOVER SEEDS (Continued)

LOTUS CORNICULATUS is a stranger to most farmers. Because it is a stranger to you does not mean that it is not deserving of your very serious consideration. This legume plant is called by some, "The Jungle Plant" because of its profuse growth. Lotus is a long-lived perennial which starts growing early in the spring and produces throughout the season until late fall. In our valley it yields heavy hay crops and will equal alfalfa in nutrition and yield. It will grow in more acid soil than alfalfa and thrives in fields with poor drainage, where alfalfa will not grow. In addition, close pasturing kills alfalfa, whereas Lotus thrives under this treatment.

LOTUS is relished by all classes of livestock. It grows on wet land, on irrigated land, or on land too dry for alfalfa. However, it is not a dry land or desert plant. It grows exceedingly well in black gumbo or sticky soil. It outyields Ladino on many farms and does not frost down as early in the fall. Lotus will grow with much less moisture than any other irrigated pasture plant and on the other hand it will grow in swales with the cat tails and tules.

Be sure to give Lotus a trial—you'll be a Lotus booster once you become acquainted with its fine habits and its possibilities as a hay or pasture legume of high yield.

CULTURE. We recommend five pounds of seed per acre, sown in the early fall or early spring. Plant as you would clover in your section. Be sure to inoculate seed before planting. When used for hay we suggest planting it with Timothy, Tall Fescue, Orchard Grass or Perennial Rye Grass to help hold up the Lotus and prevent bloating. A few pounds of Lotus scattered on your old meadow should establish a stand after the second season. Can be planted with a grain nurse crop. Do not plant too deeply. Lotus will never become a pest for it is easy to eradicate.

Chemical analysis of Lotus Hay shows it to be on a par with the very best alfalfa.

	Lotus	Alfalfa
Protein	14.24%	14.70%
Fat	2.90%	2.00%
Fiber	29.60%	29.00%
Calcium	1.10%	1.43%
Phosphorus28%	.25%

Prices: \$3.00 per lb. in 1 to 10 lb. lots; 10 to 25 lb. lots, \$2.75 per lb., postage paid. Write for quantity prices and further data.



The late Prof. G. R. Hyslop, chief of Farm Crops Department, Oregon State College. C. C. Hoover, Lotus grower. County Agent R. G. Fowler and Prof. H. A. Schoth, Forage Crops Investigator, U. S. D. A. inspecting field of Lotus.



Mr. Eugene Thorndike, Manager Medford Branch First National Bank in seed-field of Lotus. Note dense growth of crop.

revived it. Other varieties of alfalfa will almost completely die out but not so with Ladak. It may appear completely dead, but will come again, when fall rains bring moisture. Ladak is likewise strongly resistant to freezing. In many tests Ladak has proved superior to all others for the cold and dry conditions found in the northern Great Plains areas and it has also given good results under irrigation in the Northwest. If you desire further information on Ladak alfalfa write us for descriptive bulletin. Write for quantity prices.

GRIMM ALFALFA. The hardest of all alfalfa and will stand the severest winters of our mountain sections. It has a branching root growth that gives the plant a firm hold on the soil and prevents heaving by frequent freezing and thaws, and also adapts it to shallower soils. If your soil has a hardpan near the surface, or if your farm is in the mountain section, it will pay you to give Grimm the preference. Being short rooted, Grimm will thrive on soils where the water table is close to the surface. Grimm is very leafy and fine stemmed and is preferred by most hay buyers. Sow Grimm 8 pounds per acre after frost danger is over. Fertilize with Soil Sulphur or Superphosphate for bumper crops the first season. We handle only State Sealed and Certified Grimm seed. Write for quantity prices.

COMMON or CHILEAN ALFALFA. This is the popular long-rooted variety so universally grown. Best adapted to deep soils. We handle only the hardest types of Chilean, selecting our seed from growing districts which produce seed of true type. Our mountain grown seed will produce stands of longer duration and prove more profitable to plant. Write for quantity prices.



ALFALFA SEED

LADAK ALFALFA. This comparatively new variety gives promise of becoming popular and rightly so for it has developed that Ladak is ideally adapted to dry soils which cannot successfully grow the more common varieties. Ladak Alfalfa will produce one heavy crop on dry soils, after which, in case the moisture is not sufficient to continue its growth, it will survive through the season to come again after winter rains have

Quality

WHAT DOES
IT MEAN?



UNION BEARDLESS

Union Beardless Barley

QUALITY in seed grain is reflected in heavier crops. Quality seed, seed that is free of weeds and inert material, is bound to give you greater returns per acre in yield and if you harvest a clean crop suited to seed purposes you are naturally going to secure a premium when you sell. We offer only the best in varieties. Because of our modern cleaning facilities you are also assured the cleanest and highest quality seed grain.

"NOT A BEARD IN A BUSHEL." This is no exaggeration, for the seed we offer came to us direct from the Experiment Station at Union, Oregon, where this variety originated. This stock seed was in turn placed in the hands of one of Southern Oregon's most careful seed growers who produced from the original seed stock, the seed we offer you. Inspection of the growing crop convinced us that we at last had really obtained what could be truly sold as Beardless Barley for scarcely a beard was visible in any given area or section of the field.

UNION BEARDLESS BARLEY is leafy thus lending itself suitably for hay. It is heavy yielding both in straw and grain. The yield of threshed grain went 89 bushels per acre. Union did not lodge and the straw is soft and heads well filled. If you are seeking a truly beardless barley you'll make no mistake in planting UNION BEARDLESS. Union Beardless is twice proved for Southern Oregon and Northern California. First at Talent, Oregon, in the Southern Oregon Trials and the following year by our grower, Mr. O. H. Bohnert of Central Point, Oregon. Write for prices and sample of our Blue Tag certified seed.

BARLEY

VELVON. A new, heavy-yielding, non-lodging strain of bearded barley. Velvon is winter hardy or yields well, spring planted. Because of its upright growing head Velvon does not lodge as do other barleys. Velvon produces heavy, plump, white kernels and its beards are almost entirely awnless. In Talent Trials, planted in the spring of 1942, Velvon yielded 102.5 bushels per acre. Planted as late as May 4, 1943, this barley yielded 83.4 bushels per acre. We offer Blue Tag Certified seed. Write for prices.

HAANCHEN. Best adapted for spring plating. Used as brewing grain. A good yielder on heavy soil. Haanchen threshes out beard-free and is very popular with feeders by reason of the low fibre content. Haanchen is the heaviest weight barley grown. Not recommended for fall sowing. Write for prices.

TREBI. A winter-hardy, heavy yielding variety for Southern Oregon. Suited and recommended for spring sowing in colder areas. Trebi yielded 104 bushels per acre at the Southern Oregon Trials at Talent, Oregon. Trebi is very heavy, white in color with a thin hull. Trebi has been successfully grown in Southern Oregon as well as Eastern Oregon and is recognized as one of the heaviest yielding bearded strains of barley. Write for prices.

OATS

KANOTA. Still the favorite red oat because of its early maturity and heavy yielding qualities. Not particularly suited for fall planting. We recommend Black Swedish or Winter Gray Oats for fall sowing. Write for prices.

WINTER GRAY OATS. Best suited for fall planting. Heaviest yielding oat for hay but matures later than Kanotas. Very leafy with slender stalks. We do not recommend Gray Oats be planted with alfalfa as they are not substantially developed when the first cutting is taken off. Black Swedish or Kanotas would be best for the purpose. Write for prices.

BLACK SWEDISH. Very heavy yielding. Suited best for planting with vetch in the fall as it matures evenly with the vetch. Also fine for spring planting. Bears large kernels, produces abundance of hay, stems coarse but tender and sweet. Heaviest yielding oat for hay. Write for prices.

WHEAT

WHITE FEDERATION NO. 38. (Rust-resistant) Introduced by us in 1941, it proved all that was claimed for it. Heavy-yielding—1942 Talent Trial yield was 72 bushels per acre. Planted on May 4, 1943, this variety yielded 52 bushels per acre without irrigation. Highly resistant to stem rust and bunt smut. Gaining in popularity each year. Beardless variety. Write for prices on Blue Tag Certified Seed.

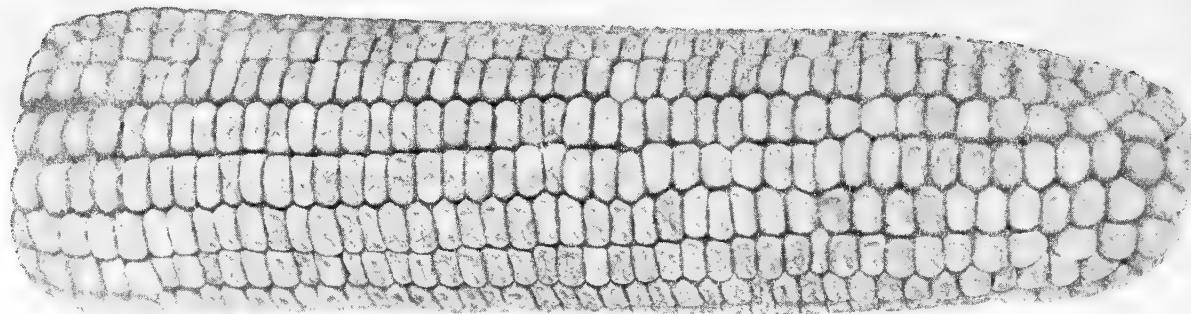
REX M-1. Strictly a wheat for fall planting. Do not plant in spring. Rex M-1 is a beardless, white, semi-soft wheat of heavy yielding tendencies. Planted in the fall of 1943 in Talent Trials, Rex M-1 yielded 55.8 bushels per acre. Our seed is of highest quality, free of ad-mixtures. Write for prices.



Southern Oregon Trials at Talent, Oregon. Picture portrays a portion of the trials through which is revealed the true yield and qualities of various crops and proof of their adaptability to Southern Oregon and Northern California growing conditions.

HYBRID FIELD CORN

THE AGRICULTURAL
SENSATION OF
OUR CENTURY



We venture the guess that 95% of all corn planted in Southern Oregon is Hybrid corn. When first introduced Hybrid corn varieties were held as an experiment and many growers were reluctant to do more than just try them out. Hybrid corn proved a sensation in our area right from the start. Heavier yielding, more drought resistant, more foliage, deeper root growth . . . all tended toward its popularity, almost instantly. Open-pollinated corn has been practically eliminated from the picture . . . HYBRIDS ARE IT!

IDAHYBRID No. 416. A Proved Master Hybrid. Idahybrid No. 416 is still our favorite. We introduced it four years ago after trials proved it adaptable to our section and No. 416 hasn't let us down. Proof of its high yielding ability is shown in the Oregon Extension Field Trials. It is a top producer. You are not experimenting when you plant Idahybrid No. 416. Postpaid, per lb. 35c; 10 lbs. \$3.00. Write for quantity prices.

IDAHYBRID No. 544. Idahybrid No. 544 is a top-yielding corn which matures just a trifle earlier than No. 416. As far as yield is concerned, there is very little difference. Our customers' experience with No. 544 leads us to conclude that it is probably better adapted to lighter soils than 416, although it does well on all types. As is the case with most all hybrids, No. 544 is ideal for silage, producing heavier yields of ensilage than open-pollinated sorts. Postpaid, per lb. 35c, 10 lbs. \$3.00. Write for quantity prices.

WISCONSIN No. 695. Wisconsin No. 695 was the highest-yielding grain type hybrid field corn in the 1940 Extension Trials. It also performed well in the 1941 trials. Probably the earliest maturing variety yet tried in Southern Oregon. This variety also surpassed most other varieties in the trials for percentages of corn shelled out. If you want an early maturing hybrid plant Wisconsin No. 695. Postpaid, per lb. 35c; 10 lbs. \$3.00. Write for quantity prices.

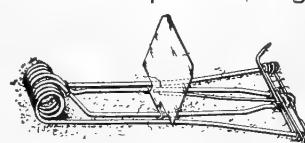
IDAHYBRID No. 680 SILAGE CORN. If you are after maximum yields for silage plant No. 680. It outyields all others in green growth and actual ears of grain. Does not lodge and is easily cut with binder. Grows to uniform height, resists cold, drought and heat. Postpaid prices: Per lb. 35c; 10 lbs. \$3.00. Quantity price on request.

WHY PLANT HYBRID CORN?

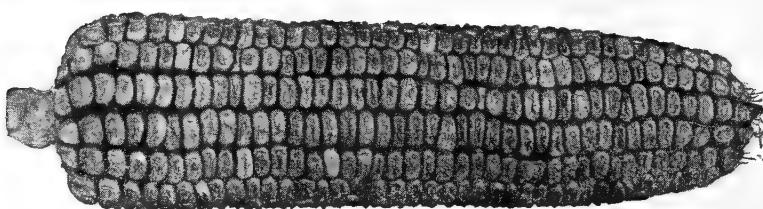
- Stiff stalks—large roots—hold it straight in wind or hail—thus easier picking by hand or machine.
- A vigorous grower under good or poor soil and weather conditions.
- It yields 20 to 30 bushels MORE per acre.
- Stalks stay green after corn is ripe.
- You can grow more and better corn on fewer acres.

MACABEE GOPHER TRAP

There are more Macabee traps sold than all other makes combined. They are inexpensive and very efficient. Designed for exterminating the wily Pocket Gopher. Weight $\frac{1}{2}$ pound.



Price,
45c each
postpaid.



SPELLS FINISH TO . . .

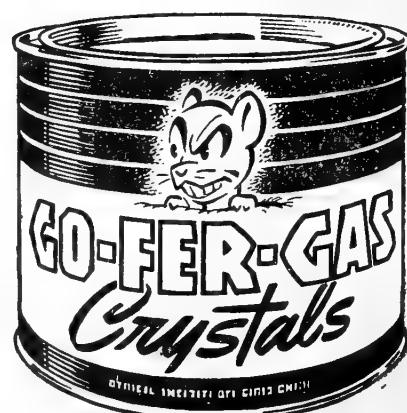
GOPHERS — MOLES — MICE — RATS
ALL BURROWING RODENTS

Safe — Simple to Use

Locate tunnel with sharp stick leaving open hole to tunnel, drop in **GO-FER-GAS** Crystals, pour in cup of water over Crystals, cover immediately. Repeat over infested area. Do entire area at one time.

NOT A POISON — CAN BE MAILED

24-oz. Can 50c 6-lb. Can \$1.35
Please add postage.



MISCELLANEOUS SUPPLIES

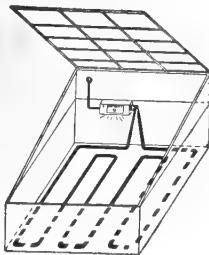
New Improved CERESAN—*for Seed Grains*

"GRO-QUICK" ELECTRIC SEED BED HEATER

Be a month ahead of neighboring gardens

Soil Heating Cable

for hotbeds, cold frames; unheated greenhouses, plant benches. Ideal for rooting cuttings. New flexible plastic insulated cable for imbedding in soil. Will last for years. Thousands in use. No failures. Operates from household current. Adjustable thermostat has pilot light. Turns off current when air above soil in hotbed becomes heated—saves current.



Supplied complete with instructions.

Mailing weight, 2 pounds.

JUNIOR GRO-QUICK with Thermostat and 40' 200-watt cable for 3'x6' bed **\$5.35**

SENIOR GRO-QUICK with Thermostat and 80' 400-watt cable for 6'x6' bed **\$6.95**

JUNIOR CABLE only **\$1.60**

SENIOR CABLE only **\$3.20**

SPECIAL—160', 220-volt, 800-watt
Cable only **\$6.40**



New Improved CERESAN is unusually effective for controlling bunt or stinking smut of wheat, loose and covered smuts of oats, covered smut and stripe of barley, and seedling blight caused by seed-borne scab. It costs but 1 7/8 to 2 1/3 cents a bushel of seed, as only one-half ounce of dust is used. Is easily and quickly applied—requires only twenty revolutions in a rotary treater or three turnings with the shovel. It is non-injurious to the drill. Frequently improves the stand of grain and increases yields. Reduces losses from smut and dockage. Cannot be mailed.

PRICES
1-lb. tin, 80c; 4-lb. tin, \$2.70

COMBINATION FERTILIZER and SEED SOWER

This Dual Purpose Machine is designed with extra heavy gears and brass bushed bearings for hard service and long wear.

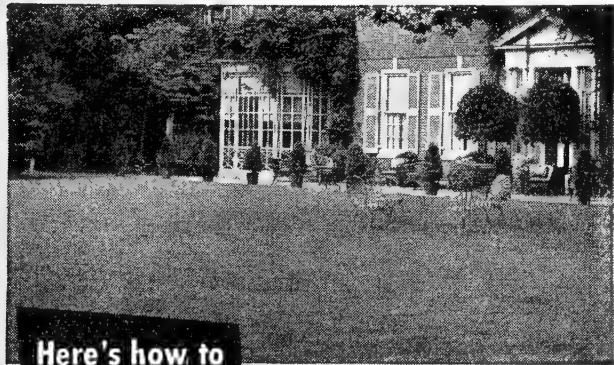
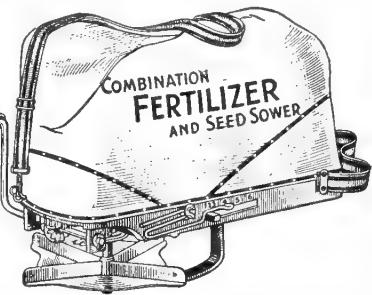
SPECIAL VALUE TO FARMERS

It is of special value to farmers who wish to apply their fertilizer or seed early in the spring when the soil is still wet from early thaws. It can be used anywhere that a man can walk, since it is carried by means of a strap over the shoulder of the operator. It is especially useful on steep, rough, irregular grass lands. Then, too, the proper time for such fertilization comes so early that the soil is usually too wet for the use of a team or tractor.

SOWS ANY KIND OF SEED AS WELL AS FERTILIZER—

The Combination Sower also broadcasts all kinds of seed, such as clover, timothy, millet, sudan grass, alfalfa, wheat, etc., perfectly in desired amount per acre.

Packed 1 in a shipping carton. Price **\$4.50**. Shipping weight each 7 lbs. **\$4.75**, postage paid.



Here's how to have a more beautiful lawn



Don't be satisfied with a sparse, spotty lawn. You can very easily have one that's "the finest in the neighborhood." Feed your lawn with Vigoro, complete plant food. Vigoro supplies all growing things with the nourishment needed from the soil. It is clean, odorless, sanitary, and easy to use! Most economical, too!

A PRODUCT OF SWIFT

VIGORO PRICES
F.O.B. Medford

100-lb. Sack	\$4.00
50-lb. "	2.50
25-lb. "	1.50
10-lb. pkg.85
5-lb. "	.45

N & K INSECTICIDE SCREEN PAINT

Just apply N&K Insecticide Screen Paint to screens and screen-doors and keep flies, mosquitoes, gnats out of your house for weeks. Two or three applications during the season will do the trick. The most sensational insecticide ever manufactured. Kills termites, bedbugs and many other insects.



8-oz. Bottle with Applicator, 59c

Protect your beautiful garden...

*Check your needs for these
ORTHO pest control products*



MULTI-PURPOSE SPRAY

ORTHO Garden Spray Set. For use against more prevalent GARDEN INSECTS. Set contains 4-ounce bottle of EXTRAX Insect Spray, GREENOL Liquid Fungicide and VOLCK Oil Spray. Makes 25 gallons Multi-Purpose Spray.....\$1.85

MULTI-PURPOSE DUST

BOTANO Garden Dust. For use against many insects and diseases. One of the safest multi-purpose dusts that can be used. 10-oz. size also serves as handy garden duster. Includes ROTENONE and PYRETHRUM.

10-oz. Duster, 59¢ 2-lb. Pkg., \$1.00

MULTI-PURPOSE BAIT

BUG-GETA Pellets. For use against PRINCIPAL FORAGING PESTS.

Slugs, Snails, Cutworms, Earwigs, Grasshoppers, Strawberry Root Weevil. Baiting against these pests is easy with the new BUG-GETA PELLETS Compressed BAITS. 5000 baits in a 2-pound carton.

12-oz. Carton, 35¢ 2-lb. Carton, 65¢
5-lb. Carton, \$1.25 25-lb. Bag, \$4.40

APPO Cutworm Bait. A new poisoned Apple bait. Kills Cutworms, Strawberry Root Weevil; also Vegetable Weevil, Slugs, Snails.....1-lb. Carton, 35¢

CALTOX Garden Dust "525". Especially useful on Tomatoes, Potatoes, Cucumbers, Squash, and Melons. Contains Cryolite, Copper and Zinc. 10-oz. Dual Purpose Package 49¢
2-lb. Package 85¢

VOLCK Oil Spray. Envelops, wets and smothers many sucking insects. Also spray carrier for other sprays.

4-oz. Bottle, 25¢ 1-Pint Bottle, 50¢
1-Gallon Can \$2.25

ORTHOL Garden Spray. (GARDEN VOLCK with DDT.) Kills Aphids, Thrips, Mealybugs and many other insects.

4-oz. Bottle 49¢



ORTHO Sowbug Killer. A specially prepared bait for use against Sowbugs and Pillbugs.....1-lb. Can, 50¢

ORTHO Ant and Roach Powder. A Fluorine-Pyrethrum Insecticide for use against Ants, Roaches, Silverfish. Easy to use.....4½-oz. Shaker, 25¢

ANT-B-GON Ant Poison. Four to eight Dispensers are enough for average home. Easy to refill. Ants feed from "WICK" . . . can't get inside. For Argentine and Sweets-eating ants. Set of four 1-oz. Dispensers 60¢
Ant poison to refill dispensers:
4-oz. Bottle, 25¢ 1 Pint, 60¢

EXTRAX Insect Spray. Contains Rotenone and Pyrethrum. Kills by contact insects such as Aphids, Bettles, Caterpillars, Thrips.

4-oz. Bottle, \$1.00 1 Pint, \$2.75
½ Gallon \$7.95

TWO NEW DDT INSECTICIDES

PEST-B-GON Insect Spray. Contains 20% DDT. Kills Beetles, Worms, Thrips, Ants, Leafhoppers; also Houseflies (as screen paint), Mosquitoes, Fleas. 4-oz. Bottle, 65¢ 1 Pint, \$2.00

PEST-B-GON Insect Dust. Contains 10% DDT. Kills many Thrips, Plant Bugs, Beetles, Worms, Leafhoppers — Fleas, Bedbugs, Roaches, Silverfish, Ants....10-oz. Duster Package, 60¢

ORTHO Lead Arsenate. A stomach poison for use as a spray or dust...1 lb., 40¢

GREENOL Liquid Fungicide. A copper fungicide used to prevent Powdery Mildew.....1 Pint, \$1.50
4-oz. Bottle, 60¢ ½ Gallon, \$5.00

"ORTHO" BORDO Mixture. Prepared Bordeaux Mixture.....1 lb., 40¢

FLOTOX Garden Sulfur. Finely powdered. Use as a dust or spray...26 ozs., 35¢

CONTAX Sealing Compound. Protect cuts and tree wounds. Also has many other uses.....1 Gallon Can, \$1.50

ORTHO Rose Spray Kit. Special Combination Offer. Contains 2-oz. bottle "EXTRAX" for Aphids and other insects and 2-oz. bottle "GREENOL" to prevent certain Powdery Mildews. Makes 12 gallons spray. Used for vegetables, too.....Each Kit, \$1.00

ORTHO Soil Fumigant. To control Cabbage and Onion Maggot, Sod Webworm. 4-oz. Bottle, 35¢ 1 Pint, \$1.00

TRIOX Weed Killer. Poisons soil and prevents weeds from growing. Use on driveways, walks, and other places where no vegetation is wanted. ½-Gal. Can, \$1.50 1-Gal. Can, \$2.40

WEED-B-GON Weed Killer. Contains 2, 4-D. A hormone spray for killing Wild Morning-Glory (Bindweed), Poison Oak, Poison Ivy, Plaintain, Dandelion. Use on grass lawns (not Dichondra, Lippia or Clover). 4-oz. Bottle, 49¢ 1 Pint, \$1.50
½ Gallon \$4.00

ORTHO Rat Bait Pellets. Ready-to-use Red Squill Baits. Poisoned Rats seek underground burrows before dying. 2-oz. Carton, 35¢ 6-oz. Carton, 50¢

ORTHO Rodent Destroyer. Kills Gophers, Squirrels, Prairie Dogs, Rats, Mice. This bait is poisoned with strichnine. 6-oz. Carton, 35¢ 1-lb. Carton, 60¢

SCRAM Dog Repellent. A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.....8-oz. Shaker, 49¢



ORTHO
SCIENTIFIC PEST CONTROL
REG. U. S. PAT. OFF.



Miller's GARDEN COMPOST MAKER

5 lbs. 25 lbs.
79c \$2.50

* CONVERTS RUBBISH INTO
FERTILIZER
* USES GRASS CLIPPINGS,
LEAVES, WEEDS, ETC.

A 5-lb. package of Miller's Garden Compost Maker will make several hundred pounds of high-grade, organic humus fertilizer by converting your garden refuse into a rich organic humus compost.

Priced F.O.B. Medford, Ore. Please Add Postage.



HASTINGS SOIL-SOAKER

Made of canvas — scientifically treated to resist mildew. **SOIL-SOAKER** is open only at one end and screws to the end of the water hose, replacing the nozzle. When the water is turned on, **SOIL-SOAKER** fills with water and normal pressure forces water through the pores of the entire

surface, uniformly, without spray. Easily moved without shutting off water, or getting wet. Self-cleaning. The soil is soaked deeply and thoroughly, covering an area on all sides of the **SOIL-SOAKER**. Far more beneficial than light surface-sprinkling. Puts the moisture down into the soil. Avoids water waste.

SOIL-SOAKER enables you to put the water exactly where you want it—none sprayed on walks, driveways or other places you do not want to reach. Excellent for irrigating around plants where moisture is apt to damage foliage. Water deep with a **SOIL SOAKER**. Two lengths. 18-ft. \$2.15, postage paid; 30-ft. \$3.25, postage paid.



RODUSTO A complete Insecticide - Fungicide, spray or dust. Contains Rotenone, Pyrethrum, Sulphur, Copper, etc. Controls most of the common insect pests and fungus diseases of the garden.

1 lb., 79c — 5 lbs., \$2.50

ROtenol Insecticide. Liquid Rotenone - Pyrethrum spray. Controls hard to kill insects — Gladiolus Thrips, Red Spiders, Aphis. 1 oz. 35c — 4 oz. \$1.00

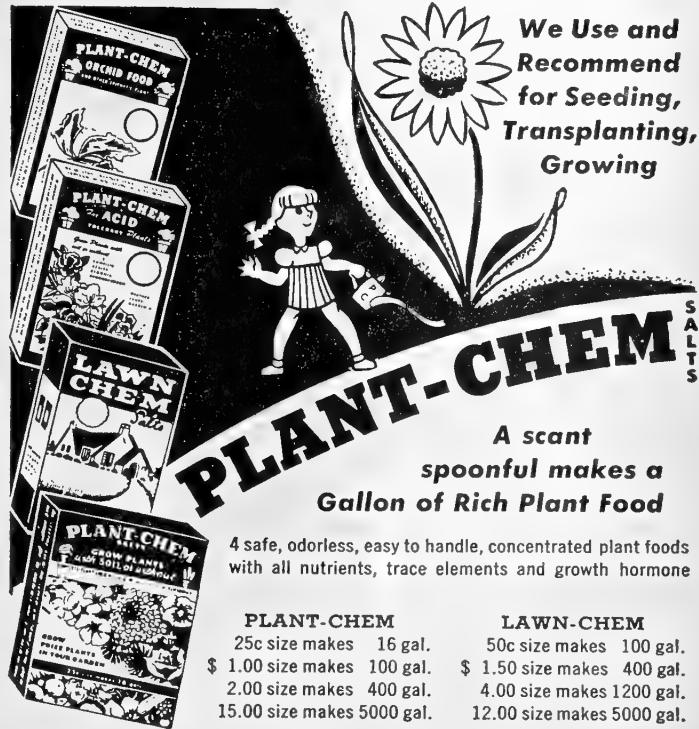
CALOMAG Controls Cabbage Maggots. One teaspoon around base of seedling cabbage or cauliflower when transplanted to garden. 10 oz., 49c — 20 oz., 79c

SPRADUSTO 5% DDT — Fermate-Sulphur-Rotenone-Pyrethrum. Spray or dust. A complete DDT Garden Insecticide-Fungicide. 1 lb. \$1.00 — 5 lbs. \$4.25

BOOSTER POWDER Stimulates Plant Growth, Root Formation, Fruit Setting, Flower Production. Produces vegetables rich in flavor and minerals. Contains Nitrogen, Phosphorus, Potash, Calcium, Sulphur, Iron, Magnesium, Manganese, Zinc, Boron, Copper and Iodine. Add 1 tablespoon **Miller's Garden BOOSTER Powder** to 1 gallon water. Mix thoroughly.

1 lb., 49c — 5 lbs., \$1.50

Write for FREE GARDEN BOOKLET
Describing and Illustrating Insects and Fungous Diseases



4 safe, odorless, easy to handle, concentrated plant foods with all nutrients, trace elements and growth hormone

PLANT-CHEM

25c size makes 16 gal.	50c size makes 100 gal.
\$ 1.00 size makes 100 gal.	\$ 1.50 size makes 400 gal.
2.00 size makes 400 gal.	4.00 size makes 1200 gal.
15.00 size makes 5000 gal.	12.00 size makes 5000 gal.

PLANT-CHEM ACID FOOD

25c size makes 16 gal.
\$ 1.00 size makes 100 gal.
2.00 size makes 400 gal.
15.00 size makes 5000 gal.

LAWN-CHEM

50c size makes 16 gal.
\$ 2.00 size makes 100 gal.
10.00 size makes 1200 gal.
22.50 size makes 5000 gal.

PLANT-CHEM ORCHID FOOD

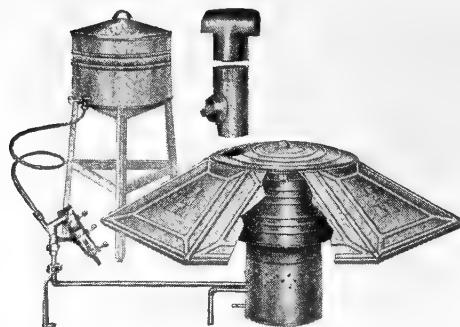
50c size makes 16 gal.
\$ 2.00 size makes 100 gal.
10.00 size makes 1200 gal.
22.50 size makes 5000 gal.



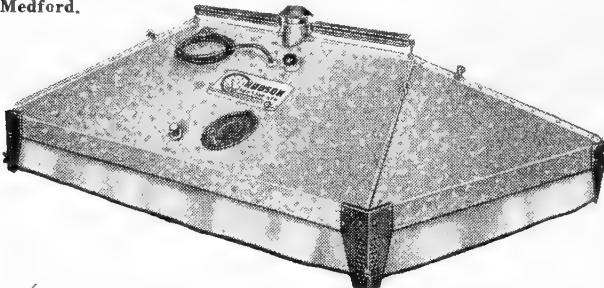
POUR IT ON—WATCH 'EM GROW

HUDSON POULTRY EQUIPMENT

F. O. B. Medford Unless Otherwise Noted.



No. 256-B "SAFETY-OIL" BROODER. One of the most dependable Oil Brooders on to-day's market. Equipped with famous "Micro-Tem" valve. The successful performance of any brooder is dependent upon the simple mechanical perfection of its automatic regulating valve. This valve, used only on Hudson Brooders, is individually inspected and tested at the factory. Regulates to the desired degree of uniform heat in actual service. Broods 500-1000 chicks. 54" hove, weight 76 lbs. \$33.75 F.O.B. Medford.



No. 4872 "LECTRIC-HEN" BROODER. Two powerful fully enclosed heating elements provide plenty of heat throughout the length of the brooder. Automatic temperature control. Your desired temperature is maintained by a positive thermostat control. Switch is bakelite sealed, protected from dust and moisture. No radio interference. Heavy insulation. Insulation is moisture resisting and helps reflect heat rays downward into brooding area. Handy inspection door. Plenty of room inside. Adjustable legs allow extra head room as chicks grow. Shipped partly set up in carton, complete direction for setting up. Plugs into 110-120 volt A. C. socket. Complete, ready to go. 500 chick capacity. 1100 watts. 48x72". Weight 92 lbs. \$47.90, F.O.B. Medford.



No. 25-S. HEN FEEDER. High grade substantial, inexpensive feeder suitable for growing birds and full grown stock. Handles dry mash, grain, shells, grit. Easy to keep clean—easy for hens to clean up feed. Convenient hinged grill. Stiff angle legs are cross-braced to strengthen. Perches mite and waterproof, 16 inches off floor. Plenty of range space for hens below. 5 ft. long. Trough 9 in. wide, 4 $\frac{1}{2}$ in. deep. Holds 40 lbs. dry mash. Serves 60 hens. Weight 25 lbs. \$6.10, F.O.B. Medford.



HUDSON DOUBLE WALL FOUNT No. K5

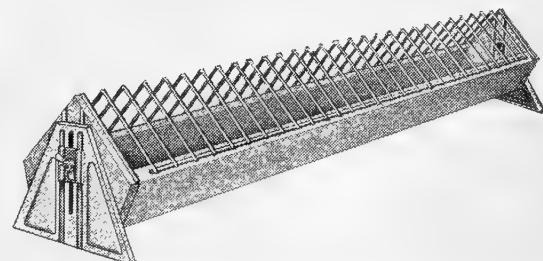
This fountain is a large capacity, inexpensive, yet substantial piece of merchandise. All-brass self-closing valve holds water in tank when jacket is removed for filling. Convenient inside handle for carrying full of water. Capacity 5 gallons. Weight 12 lbs. Each \$4.50, F.O.B. Medford.



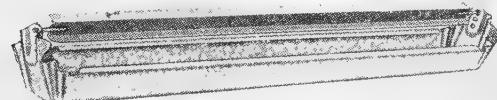
No. 548 BROILER FEEDER. Extra large feeder with fully adjustable metal stands and adjustable 4-blade reel. Day-old chicks to well past broiler age. Feeder trough 2 $\frac{1}{8}$ " deep, 4 $\frac{1}{2}$ " wide at top. Welded ends. Length 48". Weight 10 lbs. \$1.90 F.O.B. Medford.



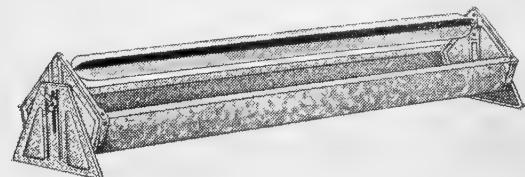
No. 350 FEEDER. A popular feeder for growing and grown stock. Capacity same as No. 25-S. Length 5 ft. All edges folded or curled to make smooth sturdy feeder. Fitted with sturdy tinned wire grill. Mounted on 9-in. channel steel legs, braced and supported. Weight 10 lbs. \$4.30, F.O.B. Medford.



No. 748 BROILER FEEDER. Chicks two weeks of age until finished broilers. Raise stands as chicks grow. Extra large capacity steel trough 6 $\frac{1}{2}$ in. top width, 3 in. depth, 1 in. feed saving lip, no rough edges. Hinged grill, wires spaced 1 $\frac{1}{8}$ in. on center. Welded ends. Weight 15 lbs. \$2.45, F.O.B. Medford.

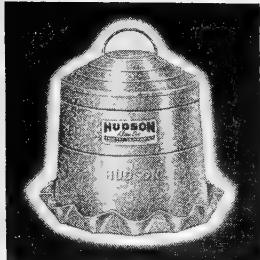


No. 224 CHICK FEEDER. Die formed from heavy galvanized steel. Trough 1 $\frac{1}{4}$ in. deep; 2 $\frac{1}{8}$ in. bottom width, 4 $\frac{1}{2}$ in. top width; feed-saving lip. Reel floats in either of two positions on shoulder reel pins. Prevents injured chick toes. 24 in. Weight 2 lbs. 55c each, F.O.B. Medford.



No. 6360 CHICK FEEDER. Stands permit quick adjustment of feeder as chicks grow. 4-blade red enameled reel floats on shoulder reel pins. Adjusts to three convenient positions according to chick size. Welded ends. 2 in. deep, 4 in. top width, 3 in. bottom width. Length 36 in. Weight 4 lbs. \$1.10, F.O.B. Medford.

POULTRY EQUIPMENT (CONTINUED)



No. A-8 FOUNTAIN. A handy-fill chick fountain equipped with a snap-on cupped pan. This provides for more drinking space. Chicks do not get wet. The fount is inverted for filling. Can be carried when full without spilling. Capacity 2 gals. Weight 5 lbs. \$1.40, F.O.B. Medford.



Float Valve No. 168

FLOAT VALVE No. 168. Automatically regulates flow of water into a drinking pan or trough. Made of brass. Float and arm may be raised while pan is removed for cleaning. May be used with any type crock, pan or trough. Weight 1 pound. Each \$1.50, F.O.B. Medford.

HUDSON SPRAYERS

HUDSON
210-G

"PERFECTION" SPRAYER

Easy fill, open top makes for ease in filling and cleaning. Hudson engineers have perfected the open-mouth principle of compressed air sprayers to the point where "Perfection" is the last word in tank sprayers. When the pump and top assembly is locked in position on the "Perfection", it is there to stay. So is the pressure in the inside of the tank. Four points of contact insure a positive seal. Equipped with an ingenious eccentric type lock to provide quick, secure locking, or safe, easy release. Made either in galvanized or copper. Shipping weight 13 pounds. Four gal. capacity.

No. 210-G

210-G—Galvanized tank \$10.85

HUDSON "ROTO-POWER"
DUSTER No. 608

We are proud to present the new "Roto-Power" Miracle Duster! Built with new super-power—every atom is delivered in a fine, floating dust. The dust flows into the air stream and is whirled through the Roto-Power fan for finest break-up. Twin Agitators, no pressure back-up and no clogging, long wear, economy and comfort. Dust volume control in the "Roto-Power" duster gives you efficiency seldom attained in a large type duster. Discharge equipment, 2 nozzles, wye connection and four 15-inch telescoping tubes. Can be used with one or two nozzles for single or double rows. Shipping weight 15 pounds.

No. 608—"Roto-Power" Duster, largest size..... \$20.25

No. 122 MODOC SPRAYER

A sturdy sprayer for spraying fruit trees, garden truck, chicken houses, etc. Used with whitewash, cold water paints, insecticides. Develops 150-pound pressure. Can be used with bucket or small tank. Produces any type of spray from fog to solid stream. Cylinder 19 in. long. Air chamber $\frac{3}{4}$ x 19 in., 3 ft. of high pressure spray hose; 2-foot extension rod; all purpose angle spray nozzle adjustable from spray to solid stream. Weight 7 lbs. \$7.00.



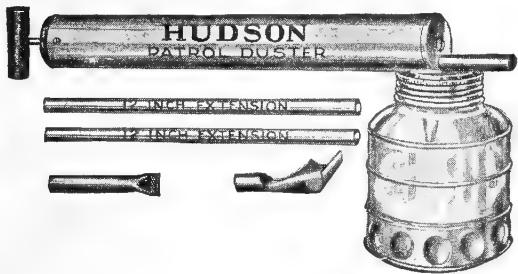
No. 192-G

A SPRAYER FOR EVERY PURPOSE
Prices F. O. B. Medford, Oregon

HUDSON
192-G

"LEADER" SPRAYER

"Leader" is representative of the "most for your money". It is substantially built and will take care of maximum wants around the home garden. An outstanding value in a compressed air sprayer. While the quality of "Perfection" will not be found in "Leader" you'll get much valuable service from it. Capacity 3½ gals., shipping weight 10 lbs. Price each, \$7.35.



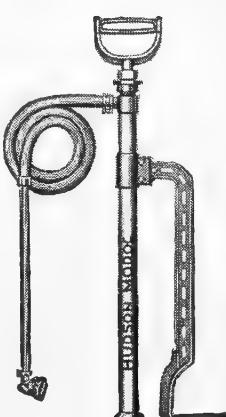
HUDSON "PATROL" DUSTER No. 612. An effective duster for truck gardens and the flower garden. The two 12-inch extensions and two nozzles permit the operator to reach all parts of the plant. Positive force feed construction absolutely prevents clogging. Fitted with special cupped plunger leather. Powder reservoir—glass. Contents always visible. Easy to fill and clean. Capacity one quart, shipping wt. 4 pounds. Price each \$1.50.



No. 765 ADMIRAL DUSTER. The Admiral duster will efficiently apply any powder-insecticide. Volume of discharge ranges from a very fine to a heavy cloud. Uniform mixture of carrier and concentrate through the entire application. Economical application adapts it for higher priced powder-insecticides such as Rotenone, Derris Root, Pyrethrum, etc. Special plunger provides powerful air-blast which drives through powder agitating it thoroughly. Arrow indicates path of air current. Sturdily built. $2\frac{3}{4}$ in. diameter, $9\frac{1}{2}$ -in. stroke. Threaded cap makes plunger accessible or removable. Powder reservoir $2\frac{3}{4} \times 6$ inches. Large filler screw cap permits easy filling or cleaning. 24-in. extension tube with adjustable nozzle for straight or angle discharge. Weight 3 lbs. \$1.85, F.O.B. Medford.



No. 661 SIGNAL DUSTER. A practical small duster for the small gardener. $1\frac{3}{4}$ in. diameter, 3 in. length. Large, easily removed filler cap. Air valve prevents powder from getting back into pump. Discharge tube facilitates driving the powder into cracks and crevices. Weight 1 lb. 65c each, F.O.B. Medford.



HUDSON SPRAYERS (Continued)



No. 432



HUDSON "CONTINUOUS" SPRAYER No. 432. An exceptionally sturdy unit. Pump passes directly through the top of the tank and is securely soldered, preventing any possibility of parts getting out of alignment. Produces a very finely divided, continuous spray without spitting or streaming. Fitted with double nozzles for particular garden work. Capacity 1 quart, shipping weight 3 lbs. Price each, \$1.20.

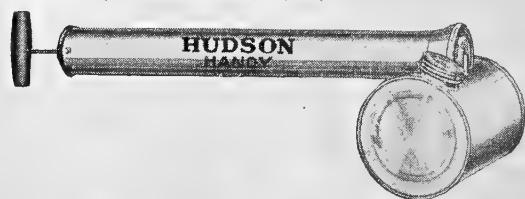


No. 303

No. 435 CARDINAL SPRAYER. Is particularly effective for handling fly sprays in the dairy barn, milk house, creamery, etc. Excellent as a poultry-house sprayer. Continuous, 3-quart "Nu-action" pump. Heavy galvanized steel tank of 3-quart capacity. Adjustable nozzle adapts this sprayer for all classes of work and densities of solution. Weight 5 lbs. \$1.90, F.O.B. Medford.



No. 431 COMET SPRAYER. Adapted for fly oils and repellents, stock dip, agricultural insecticides and similar preparations in the dairy barn, poultry house, hog pen, garden, etc. Large powerful pump with patented "Nu-Action" and sturdy full quart container. 2 lbs. \$1.00, F.O.B. Medford. (A continuous sprayer.)



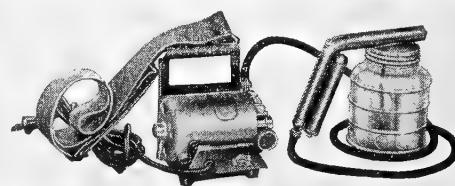
No. 303 FOG SPRAYER handles all fly oils and insecticides and does not permit any liquid to drop on rug, chair, etc. The capacity is about 1 pint. Shipping weight 2 lbs. Price each, 55c.

No. 440 HANDY SPRAYER. The improved Handy is a more efficient sprayer than ever before. Large container and big screw cap add to its usefulness as well as convenience. Does a splendid job around the yard on flowers and shrubs, in the poultry house, dairy barn. An unusual value in a quart tin sprayer at moderate cost. Weight 1 lb. 60c, F.O.B. Medford.

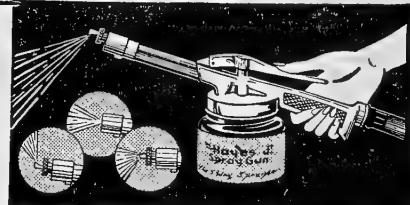
HUDSON "SPEEDWAY" ELECTRIC

The HUDSON ELECTRIC SPRAYER applies insecticides, disinfectants, moth proofing preparations, paints, lacquers, enamels, varnishes, etc. It has two nozzles: one coarse, one fine. Nozzle and siphon tube easily removed for cleaning. Regularly furnished with pint glass jar. Special thumb-operated shut-off valve permits instant control. Pistol grip handle provides carrying place for extra nozzle. Motor: 1/10 h.p. Universal type 110-120 volts, either AC or DC current, 30-60 cycle. Develops 22 pounds pressure. Ten feet of rubber insulated cord, carrying strap and carrying handle so it can be either carried over operator's shoulder or in one hand. Shipping weight 10 lbs.

\$34.30
F.O.B.
Medford



HAYES JR. SPRAY GUN



Makes 3 gallons of mixed spray material at a time. Sprays up, down, sideways. Just attach HAYES JR. to garden hose, turn on the hydrant, lightly press the conveniently long lever — and HAYES JR. sprays! Gives efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 175 pounds. No moving parts to wear out or break—insures long life and satisfactory service. Price only \$5.95.

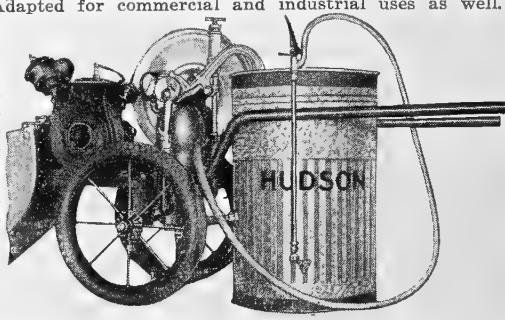
HAYES 25 TO 1 PROPORTIONS

To apply liquid and soluble fertilizers, lawn moth solutions, insecticides and fungicides, etc. only \$1.95

HUDSON POWER SPRAYER DEFENDER

THE HUDSON "DEFENDER" SPRAYER develops 200 pounds working pressure through its 1½-horsepower gasoline engine. It provides an ideal power-operated portable unit for greenhouses, nurseries, golf courses, private estates, small orchards, truck gardens, etc. Can also be used in dairy barns, poultry houses, cattle pens, etc. Adapted for commercial and industrial uses as well. Shipping wt. 165 lbs. Equipped with 10 ft. high-pressure hose, 2-foot extension. Perfection automatic shut-off, angle spray nozzle adjustable for any spray.

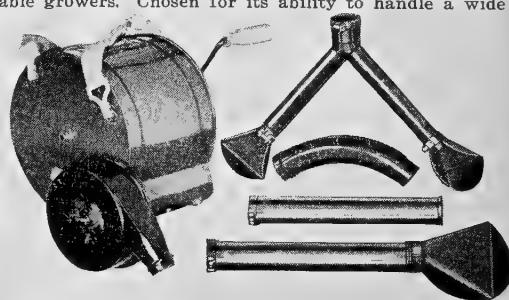
\$190.00,
Medford



ROOT C-3 HAND DUSTER

The ROOT C-3 HAND DUSTER is designed for dusting small acreage vegetable crops and bulbs. The highest quality, most efficient crank duster on the market. This model is specially designed to handle dusts most economically. Feed mechanism accurately controls dosages from one pound to 20 per acre. Extremely popular among vegetable growers. Chosen for its ability to handle a wide range in dosages, from light to extremely heavy applications and for its durability and ease of operation. Weight 15 lbs.

\$24.95
F.O.B.
Medford



GARDEN TOOLS AND TRAPS

GARDEX

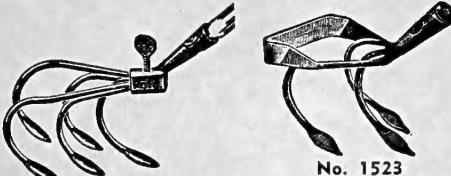
"Soil Flow" Tools for Garden and Field

GARDEX BOW-PULL HOE

No. 120

An exceptionally fine hoe for use in thinning, hoeing and weeding among vegetables, tobacco, cotton and similar crops. There is no better tool for use under shrubbery. The cutting edge, turned well towards you, makes it possible to apply the GARDEX easy pulling principle, thus saving time, labor and backaches. Width 7".

PRICE (at Our Store) \$1.35
PRICE, Postpaid \$1.60



No. 1605

No. 1523

GARDEX CULTIVATOR WEEDE

No. 1523

Every gardener should have this combination tool. The weeding blade cuts off all weeds quickly and easily. The three-prong cultivator mulches the soil, getting in and at places otherwise hard to reach. Weeding blade is 4 inches wide while cultivator prongs cover 4½" width. Once you try GARDEX Tools you'll never be without them.

PRICE (at Our Store) \$1.35
PRICE, Postpaid \$1.60

MONEY BACK GUARANTEE



DOGZOFF keeps dogs and other animals away from places they are not wanted. Harmless. Cannot injure vegetation. Non-poisonous. Non-inflammable. You must be satisfied or money will be refunded.

Dogs are creatures of habit. Correct the habits of the dog and you will have no further trouble. DOGZOFF makes this training possible. If you wish to keep dogs away from trees or flower beds, off porches or furniture, simply spray DOGZOFF. One application lasts several weeks . . . long enough usually to break even the most stubborn dog of his bad habits. Easily sprayed. Clings to any surface. Will not deteriorate. Get DOGZOFF today and know for the first time complete freedom from the annoyance of dogs and other animals.

3-Oz. Bottle, Postpaid \$.75

OUT-O-SIGHT MOLE TRAP

Absolutely reliable. Directions for setting and full directions of the mole's habits furnished with each trap. Heavy powerful springs, malleable iron jaws. Teeth designed so as not to injure the hide. Height 8½ inches. Spread of jaws 2¾ ins. Weight each, 1½ lbs.

Price, \$2.50, postpaid.



GARDEX 7 TOOLS IN ONE

No. 1605

No wrench needed to change to a 1-2-3-4 or 5 prong cultivator. A simple turn of wing screw does the trick. Only 4 parts. No rust—No bolts—No Nuts to worry over. A child can make changes in a few seconds. It's the ladies' favorite. For work between rows, straddle rows or narrow places. Ideal for hot beds or green houses.

PRICE (at Our Store) \$1.60
PRICE, Postpaid \$1.90

THE "ALL-PURPOSE" GARDEN HOE for Cultivating, Weeding and Mulching

Try this new, high speed light weight garden tool. So easy to handle, so much lighter, faster and better—you'll never go back to the ordinary hoe! Enthusiastic women gardeners claim less fatigue, better results. You'll find it's fun to flick Dandelion and Plantain from the turf, or mulch around evergreens, shrubs, perennials. Goose-neck shank permits close cultivation of prized perennials. Amazingly efficient for mulching, cultivating, weeding your garden. Weighs only 1½ lbs., yet stronger than other garden hoes. Order today—if not delighted, return it for money back.

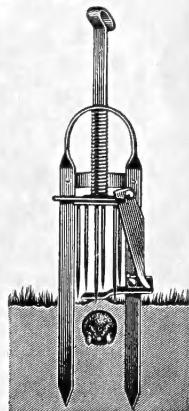
Price \$1.75, Postpaid.



VICTOR MOLE TRAP Standard Spear Type

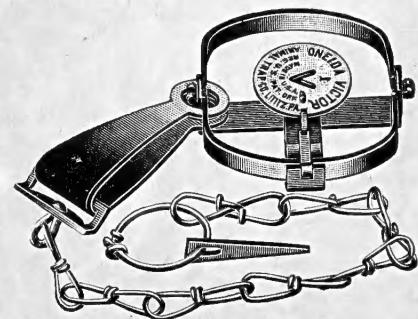
A sure, sensitive, and effective spear, or plunger type trap that harpoons the mole, causing instant death. Six prong Spears. Trap attractively finished with rust resisting coating. Extreme length when sprung 16¾ in. Net weight per trap 1 lb., 14 oz. Packed one trap in reshipping carton with card of instructions for setting and using. Shipping weight 2¾ lbs. each.

Each, Postpaid, \$1.75



ONEIDA VICTOR GAME TRAP

The most popular and efficient trap on the market. Expert workmanship makes every Oneida Victor a precision trap — strong and durable. So constructed that every part works perfectly. Because of their construction they do not rust tight or clog with dirt.



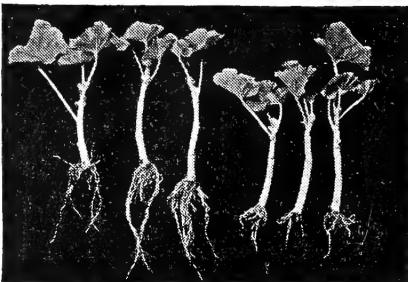
Size "0" for Rats, Gophers, Weasel. Each prepaid 35c
Size "1" for Muskrat, Skunk, Mink. Each prepaid 45c



"SNAP-CUT" out-cuts all other pruners. Orchardists, home and professional gardeners everywhere recognize the "SNAP-CUT" as the most efficient pruner on the market today. A new cutting principle makes for easier cutting. Small in size, light in weight. Its handles are wide, comfortable and non-pinching. Those who have tried "SNAP-CUT" will use no other pruner. Even a child can handle this easy cutting pruning shear. Price each, postpaid anywhere, \$2.65. FREE book, "Secrets of Success in Pruning", sent to you by the manufacturer.

ROOTONE

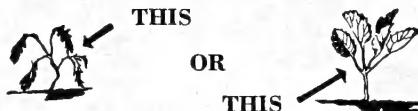
Reg. U. S. Pat. Off.



Geranium Cuttings. Treated and Untreated

ROOTONE, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. $\frac{1}{4}$ oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.

WHICH DO YOU WANT ?



The hormones and vitamins (B, and others) found together only in

TRANSPLANTONE

THE HORMONE-VITAMIN POWDER

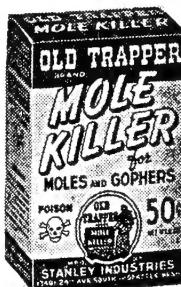
Stop the shock and wilt usually inevitable after transplanting all kinds of plants. . . . Simple, Safe, Economical to use. $\frac{1}{2}$ oz. packet 25c, 1 oz. can 50c, 3 oz. can \$1.00, 1 lb. can \$4.00.

OLD TRAPPER MOLE KILLER

This troublesome garden pest can be controlled quickly and easily with Old Trapper Mole Killer. Made especially for our Western moles. Gives certain results when used as per complete directions on the package. We have sold Old Trapper Mole Killer for three years and have found it truly effective against these pests. 2-oz. package, sufficient for 50 moles, 50c. Cannot be mailed as it is a poison.



★ ★



OLD TRAPPER RAT KRUNCHES

Deadly to rats! Old Trapper Rat Krunches are tasty pellets, ready to use. They are safe, too, because they kill nothing but rats. One of the most effective rat baits made. Non-poisonous to livestock, poultry or human beings. 75 baits in package, 25c (35c postpaid). Larger package, 50c (60c postpaid).

BAZOOKA DDT ROACH & ANT GUN



Comes ready to use—filled with Bazooka DDT Insecticide Powder. Kills Roaches, Ants, Bed Bugs, etc., where they live, in cracks, crevices and other hard-to-reach places. Kills by contact!

Postage Paid, 85c

PLASTI-LINO

ENDS WAXING

YES SIRE! PLASTI-LINO ends waxing of linoleum. We've tried it at home and is it wonderful? The missus wouldn't be without it. Plasti-Lino ends needless wear and tear on your back and knees and at the same time makes your linoleum floor gleam as never before. Once a year, twice at the very most, apply Plasti-Lino, the modern revolutionary new linoleum finish. With no more effort than it takes to wax your floor you can cover the same area with easy-to-use, quick-drying (remember it dries in one hour) Plasti-Lino. Clear as water, preserves color, protects linoleum, no brush marks, ends waxing, tough and long-lasting. One quart will do the average kitchen measuring 12 by 16 feet.

Per quart \$1.95, F.O.B. Medford or \$2.30 per quart, postpaid.



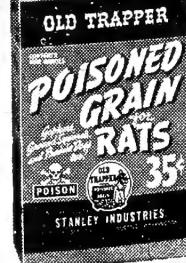
PLASTI-CLEANER



Before apply Plasti-Lino just make certain the surface is clean, free from wax . . . wash it off with a little Plasti-Cleaner. You are then ready for Plasti-Lino. Use a clean 3-in. brush and apply Plasti-Lino liberally, brushing very lightly, just enough to spread it. Let it dry for one hour and you can work on the linoleum. If linoleum is new be sure to give it a thorough cleaning with Plasti-Cleaner in order that all the factory wax is removed.

Per Pt. 59c, F.O.B. Medford or 80c per pint, postage paid.

OLD TRAPPER POISONED GRAIN

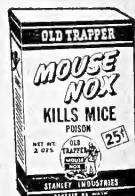


For rats, gophers and ground squirrels, Old Trapper Poisoned Grain is our recommendation. The oats, wheat and barley are highly impregnated and made especially attractive to rodents. Field mice succumb to it, too! Large 9-oz. package, 40c. Cannot be mailed as it is a poison.

★ ★

OLD TRAPPER MOUSE NOX

Rid your premises of mice this quick and easy way. Mice love Mouse Nox. A few grains does the job. It is a positive destroyer of mice. 2-oz. package, 25c. Poison, cannot be mailed.



KILLS SOIL PESTS

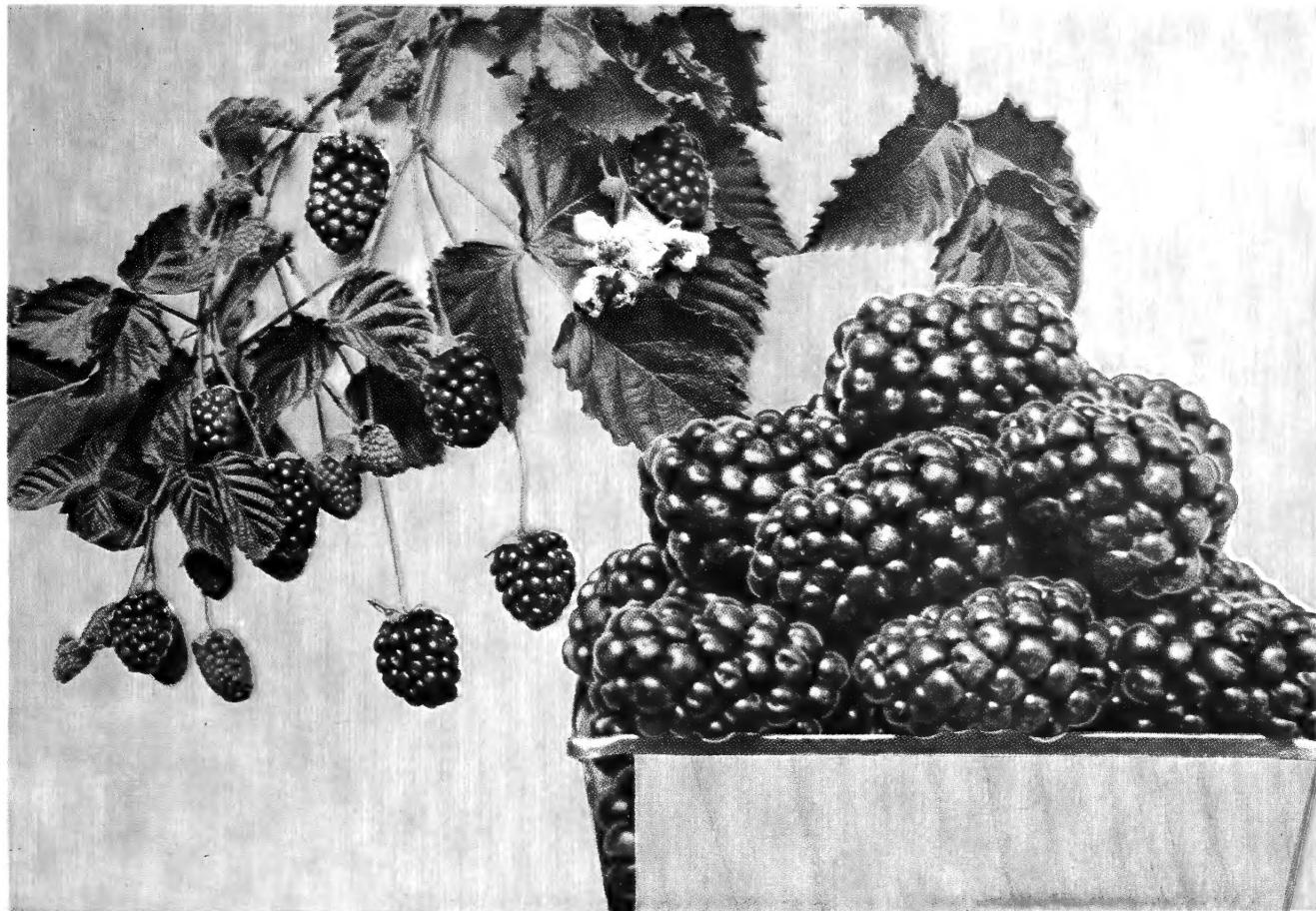
Diamond Quality Naphthalene Flakes are now used extensively throughout the west for the control of many soil pests. This material is highly recommended by the U. S. Department of Agriculture for the control of Wireworms. One pound of material thoroughly worked into 50 square feet of ground will give from 97 to 100% kill.

Get your supply early and work it into the ground before planting your Victory Garden.

1½ pounds	\$.30
5 pounds65
Postage paid.	

Diamond Quality Naphthalene Flakes is also recommended for the control of Gladiolus Thrip. One ounce of flakes to every 100 bulbs, placed in a paper sack right after digging.

PLEASE ADD POSTAGE TO ABOVE GOODS



KING NECTARBERRY

THE BERRY SENSATION OF A DECADE!

FULLY DESCRIBED AND PRICED
ON PAGE 24

Nectarberries are of mammoth size. The flavor pleasing. Hardy, productive. Contain less acid. Dark wine color, almost seedless.

The *Streamliner* **STRAWBERRY**

A new variety of unusually rich flavor and aroma. Hardy, prolific, colorful, practical for home or market culture.

**UNIQUE . . . OUTSTANDING
UNEXCELLED**

Fully described on Page 24



INDIAN SUMMER

"Everbearing Red Raspberry"

Read About It on Page 25



"INDIAN SUMMER"

RASPBERRY

Equal in Quality to the Best of Single-Crop Raspberries, Plus Heavier Yield, Should Recommend This Fine Raspberry for 1947 Planting.

MONARCH SEED & FEED CO.

MEDFORD

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